

Converting Colors

XYZ(50.0801, 70.6779, 94.2218)

Have a look what the booklet for
XYZ(50.0801, 70.6779, 94.2218)
contains.

XYZ(50.0801, 70.6779, 94.2218)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(50.0801, 70.6779,
94.2218)**

Conversions

Conversions Part 1

Format	Color
Hex	49F1F1
RGB	73, 241, 241
RGB Percent	29%, 95%, 95%
CMY	0.7137, 0.0549, 0.0549
CMYK	0.70, 0.00, 0.00, 0.05
HSL	180°, 86%, 62%
HSV	180°, 70%, 95%
XYZ	50.0801, 70.6779, 94.2218
YIQ	190.7680, -100.1280, -35.6160

Conversions

Conversions Part 2

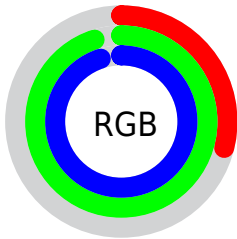
Format	Color
R_{YB}	73, 157, 241
Decimal	4846065
CIE _{Lab}	87.33, -41.54, -12.44
CIE _{LCh}	87, 43.359, 196.666
Yxy	70.6779, 0.2330, 0.3288
Android (android.graphics.Color)	4283036145 (0xFF49F1F1)
YUV	190.7680, 24.7644, -103.2825
Hunter-Lab	84.0701, -40.7913, -7.6003

Details

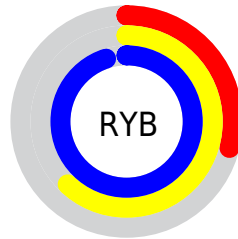
The XYZ color **50.0801, 70.6779, 94.2218** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **39.8631, 23.9491, 8.8271**, and the grayscale version is **49.2922, 51.8592, 56.4747**.

A 20% lighter version of the original color is **65.3116, 84.6693, 107.5083**, and **25.8974, 37.7838, 51.8270** is the 20% darker color. If you saturate the color by 10%, you get **48.5960, 69.9144, 94.1537**, and if you desaturate by 10%, it is **52.2754, 71.8112, 94.3263**.

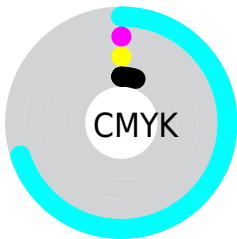
Distribution



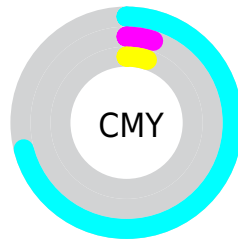
- Red (29%)
- Green (95%)
- Blue (95%)



- Red (29%)
- Yellow (62%)
- Blue (95%)



- Cyan (70%)
- Magenta (0%)
- Yellow (0%)
- Black (5%)





- Cyan (71%)
- Magenta (5%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.0801, 70.6779, 94.2218 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 50.0801, 70.6779, 94.2218 by changing the saturation by 10% instead.


 50.0801, 70.6779,
94.2218


 50.0801, 70.6779,
94.2218


377.4259,
462.9267, 562.5912


 35.6951, 52.0794,
70.8941


 89.4847, 120.1750,
155.1754

 24.3678, 37.0684,
51.7745


 115.2349,
151.8423, 193.6384

 15.7329, 25.2604,
36.4444


 145.5043,
188.6348, 237.9835

 9.4250, 16.2712,
24.4852

 180.6582,
230.9366, 288.6294

 5.0787, 9.7163,
15.4784

221.0620,
279.1324, 345.9946

 2.3288, 5.2112,
9.0055

267.0810,

 0.8093, 2.3717,

333.6064, 410.4976

4.6479

319.0805,
394.7430, 482.5570

■ 0.0000, 0.8113,
1.9871

■ 0.0000, 0.0000,
0.5473

■ 50.0801, 70.6779,
94.2218

■ 50.0801, 70.6779,
94.2218

■ 48.5960, 69.9144,
94.1537

■ 52.2754, 71.8112,
94.3263

■ 47.7299, 69.4679,
94.1130

■ 55.2487, 73.3439,
94.4657


■ 47.3425, 69.2682,
94.0946


■ 59.0659, 75.3118,
94.6446

■ 47.3337, 69.2636,
94.0942


■ 63.7846, 77.7444,
94.8656

 69.4571, 80.6687,
95.1313

 76.1318, 84.1096,
95.4439

 83.8536, 88.0903,
95.8055

 88.5741, 90.5238,
96.0266

 88.5742, 90.5238,
96.0268

Harmonies

Analogous

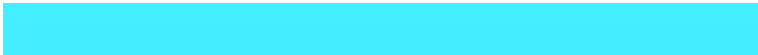
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



49.8377, 70.6779, 64.7111



50.0801, 70.6779, 94.2218



54.5926, 70.6779, 125.4886

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



50.0801, 70.6779, 94.2218



82.4823, 70.6779, 122.3152



71.8044, 70.6779, 34.2075

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



50.0801, 70.6779, 94.2218



39.8631, 23.9491, 8.8271

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.5608, 70.6779, 42.8942



50.0801, 70.6779, 94.2218



88.1336, 70.6779, 90.6561

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



50.0801, 70.6779, 94.2218



72.9625, 70.6779, 144.3115



87.7802, 70.6779, 61.9402



61.7061, 70.6779, 34.7024

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



50.0801, 70.6779, 94.2218



59.7018, 70.6779, 140.9389



87.7802, 70.6779, 61.9402



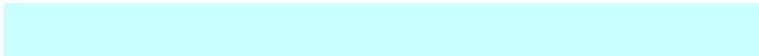
75.2520, 70.6779, 36.0336

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



50.0822, 70.6806, 94.2235



78.0185, 91.2199, 108.1024



35.6247, 64.9226, 16.9589



16.3020, 19.3201, 23.1198



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



50.0822, 70.6806, 94.2235



54.7161, 79.2072, 107.0103



31.1635, 32.8427, 87.9187



16.2474, 17.9290, 20.3259



25.6671, 37.5589, 51.0235



2.1353, 3.1245, 4.2447

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



39.8631, 23.9491, 8.8271



42.4228, 22.9908, 4.2815



49.0696, 42.3622, 11.8956



15.7729, 15.7589, 16.3602



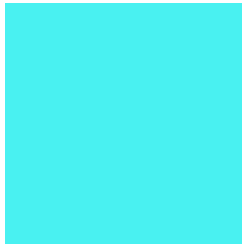
19.6715, 10.1410, 0.9207



1.6365, 0.8436, 0.0766

Previews

White Background



This preview shows how the XYZ color 50.0801, 70.6779, 94.2218 looks on a white background.

Color Contrast Check

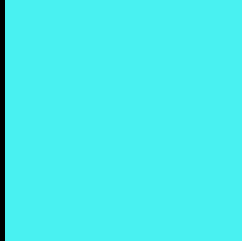
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 50.0801, 70.6779, 94.2218 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

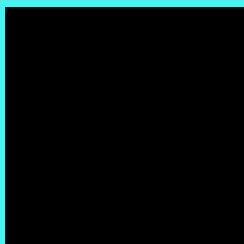
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

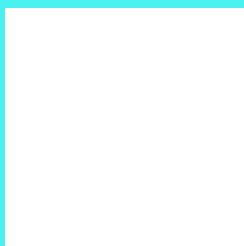
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.0801, 70.6779, 94.2218

Background



This preview shows how black text looks on a background with the XYZ color 50.0801, 70.6779, 94.2218.

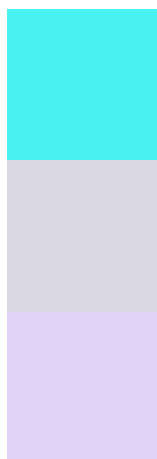


This preview shows how white text looks on a background with the XYZ color 50.0801, 70.6779,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

50.0801, 70.6779, 94.2218

Protanopia

67.1968, 69.5081, 81.8263

Deuteranopia

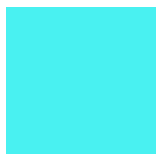
70.8232, 69.1512, 97.6104



Tritanopia

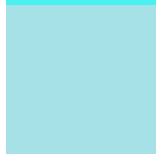
53.7010, 70.5551, 105.3959

Trichromacy



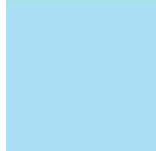
Original Color

50.0801, 70.6779, 94.2218



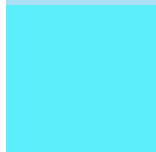
Protanomaly

56.8661, 67.6193, 85.6560



Deuteranomaly

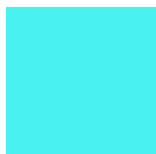
58.9649, 67.2701, 96.2629



Tritanomaly

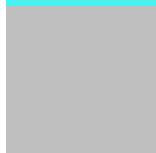
52.1442, 70.2753, 101.2587

Monochromacy



Original Color

50.0801, 70.6779, 94.2218



Achromatopsia

49.5206, 52.0996, 56.7364



Achromatomaly

46.5218, 56.5003, 68.7753

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.0801, 70.6779, 94.2218 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(73, 241, 241)` looks like.

```
.text, #text, p{  
    color:rgb(73, 241, 241)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(73, 241, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 241, 241) }
```

Border

The CSS property to change the border of an element to XYZ 50.0801, 70.6779, 94.2218 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(73, 241, 241) }
```


If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(73, 241, 241) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(73, 241, 241) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 241, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 241, 241);  
box-shadow:4px 4px 4px 4px rgb(73, 241,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 50.0801, 70.6779, 94.2218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 241, 241) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(73, 241,  
241) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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