

Converting Colors

XYZ(52.7405, 76.7916, 91.8878)

Have a look what the booklet for
XYZ(52.7405, 76.7916, 91.8878)
contains.

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Color

**XYZ(52.6849, 76.6046,
92.1302)**

Conversions

Conversions Part 1

Format	Color
Hex	4BFBED
RGB	75, 251, 237
RGB Percent	29%, 98%, 93%
CMY	0.7058, 0.0157, 0.0706
CMYK	0.70, 0.00, 0.06, 0.02
HSL	175°, 96%, 64%
HSV	175°, 70%, 98%
XYZ	52.6849, 76.6046, 92.1302
YIQ	196.7800, -100.4020, -41.6660

Conversions

Conversions Part 2

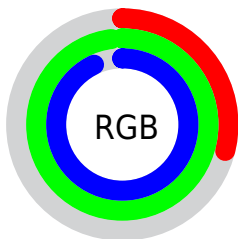
Format	Color
RYB	75, 167, 251
Decimal	4979693
CIELab	90.14, -46.77, -6.17
CIElCh	90, 47.176, 187.512
Yxy	76.6046, 0.2379, 0.3460
Android (android.graphics.Color)	4283169773 (0xFF4BFBED)
YUV	196.7800, 19.8285, -106.8011
Hunter-Lab	87.5241, -45.7194, -1.1434

Details

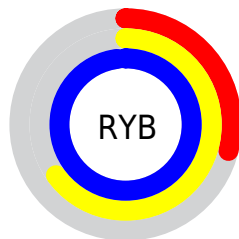
The XYZ color **52.6849, 76.6046, 92.1302** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **44.1055, 26.2650, 12.1989**, and the grayscale version is **52.8686, 55.6219, 60.5722**.

A 20% lighter version of the original color is **65.6641, 84.8510, 107.5248**, and **27.6323, 41.9198, 50.3510** is the 20% darker color. If you saturate the color by 10%, you get **50.8054, 75.6710, 90.5292**, and if you desaturate by 10%, it is **55.3460, 77.9443, 93.7882**.

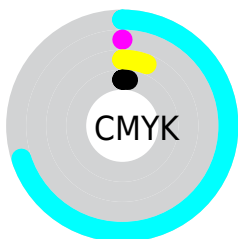
Distribution



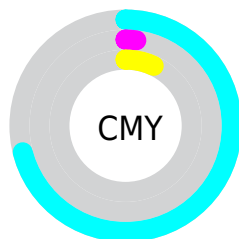
- Red (29%)
- Green (98%)
- Blue (93%)



- Red (29%)
- Yellow (65%)
- Blue (98%)



- Cyan (70%)
- Magenta (0%)
- Yellow (6%)
- Black (2%)





- Cyan (71%)
- Magenta (2%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.6849, 76.6046, 92.1302 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 52.6849, 76.6046, 92.1302 by changing the saturation by 10% instead.

 52.6849, 76.6046,
92.1302


 52.6849, 76.6046,
92.1302


387.3557,
483.4148, 555.6841


 37.7778, 56.9284,
69.1651


 93.3088, 128.5812,
152.2551

 25.9867, 40.9478,
50.3736


 119.7563,
161.6504, 190.2520

 16.9463, 28.2783,
35.3371


 150.7812,
199.9527, 234.0966

 10.2913, 18.5355,
23.6370

 186.7490,
243.8725, 284.2075

 5.6563, 11.3352,
14.8549

228.0250,
293.7942, 341.0031

 2.6759, 6.2927,
8.5721

274.9746,

 0.9848, 3.0239,

350.1023, 404.9021

4.3702

327.9630,
413.1810, 476.3229

■ 0.0000, 1.1442,
1.8305

■ 0.0000, 0.0154,
0.4480

■ 52.6849, 76.6046,
92.1302

■ 52.6849, 76.6046,
92.1302

■ 50.8054, 75.6710,
90.5292

■ 55.3460, 77.9443,
93.7882


■ 49.6037, 75.0846,
88.9751


■ 58.8632, 79.7232,
95.5015

■ 48.9270, 74.7682,
87.4795


■ 63.3100, 81.9810,
97.2754


■ 68.7500, 84.7504,
99.1129

 75.2413, 88.0613,
101.0168

 82.8374, 91.9414,
102.9897

 91.5882, 96.4165,
105.0338

 93.4644, 97.3471,
106.7736

 93.7843, 97.4751,
108.4579

Harmonies

Analogous

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



53.9190, 76.6046, 61.0892



52.6849, 76.6046, 92.1302



56.3654, 76.6046, 129.1782

Triad

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



52.6849, 76.6046, 92.1302



87.4051, 76.6046, 145.7541



81.7697, 76.6046, 36.8770

Complementary

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



52.6849, 76.6046, 92.1302



44.1055, 26.2650, 12.1989

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.



92.1781, 76.6046, 49.9727



52.6849, 76.6046, 92.1302



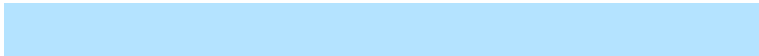
95.6673, 76.6046, 110.5952

Square

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



52.6849, 76.6046, 92.1302



75.7949, 76.6046, 165.1000



97.5016, 76.6046, 75.2570



69.9052, 76.6046, 34.4089

Rectangle

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



52.6849, 76.6046, 92.1302



61.3700, 76.6046, 150.5105



97.5016, 76.6046, 75.2570



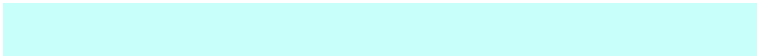
85.5909, 76.6046, 39.9718

Sweetspot

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



52.6872, 76.6075, 92.1320



77.3401, 90.9486, 104.5303



39.9538, 71.6623, 18.3849



16.1380, 19.2545, 22.2559



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.



52.6872, 76.6075, 92.1320



52.0930, 78.1579, 93.1973



36.1711, 40.1724, 97.1175



17.7027, 19.5834, 21.9011



25.7426, 39.3101, 46.1155



2.4014, 3.6477, 4.3615

Inverse Universe

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



44.1055, 26.2650, 12.1989



42.7857, 23.1360, 6.1925



51.6988, 42.3050, 12.0993



17.3006, 17.2476, 18.1730



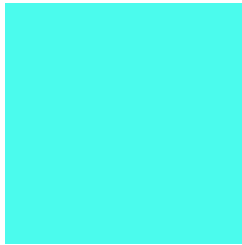
20.9982, 10.8150, 1.4332



1.9635, 1.0091, 0.2311

Previews

White Background



This preview shows how the XYZ color 52.6849, 76.6046, 92.1302 looks on a white background.

Color Contrast Check

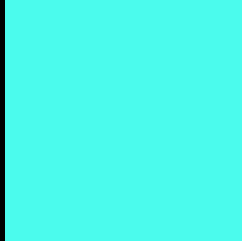
Large Text (above 18pt) WCAG AA × Fail

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 52.6849, 76.6046, 92.1302 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

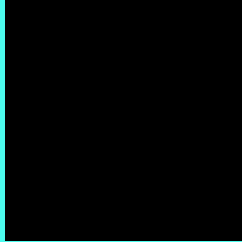
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 52.6849, 76.6046, 92.1302

Background



This preview shows how black text looks on a background with the XYZ color 52.6849, 76.6046, 92.1302.

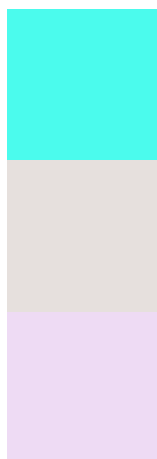


This preview shows how white text looks on a background with the XYZ color 52.6849, 76.6046,

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

52.6849, 76.6046, 92.1302

Protanopia

72.3399, 75.3548, 79.1388

Deuteranopia

76.9205, 75.3718, 96.0820



Tritanopia

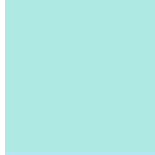
61.2427, 75.7432, 105.9998

Trichromacy



Original Color

52.6849, 76.6046, 92.1302



Protanomaly

60.7435, 73.3904, 83.6373



Deuteranomaly

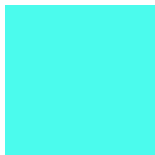
63.0435, 73.0864, 94.0034



Tritanomaly

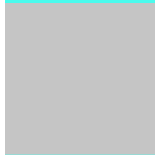
57.1791, 75.5436, 100.3747

Monochromacy



Original Color

52.6849, 76.6046, 92.1302



Achromatopsia

53.0703, 55.8340, 60.8033



Achromatomaly

49.8334, 61.1515, 71.4643

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.6849, 76.6046, 92.1302 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(75, 251, 237)` looks like.

```
.text, #text, p{  
    color:rgb(75, 251, 237)  
}
```

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(75, 251, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 251, 237) }
```

Border

The CSS property to change the border of an element to XYZ 52.6849, 76.6046, 92.1302 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(75, 251, 237) }
```


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

```
.border{ border-color:rgb(75, 251, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 251, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 251, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 251, 237);  
box-shadow:4px 4px 4px 4px rgb(75, 251,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 52.6849, 76.6046, 92.1302 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 251, 237) }
```

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

```
.background{ background-color: rgb(75, 251,  
237) }
```

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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