

Converting Colors

XYZ(50.8230, 75.7714, 96.4952)

Have a look what the booklet for
XYZ(50.8230, 75.7714, 96.4952)
contains.

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Color

**XYZ(50.7249, 75.4912,
96.6918)**

Conversions

Conversions Part 1

Format	Color
Hex	04FBF3
RGB	4, 251, 243
RGB Percent	2%, 98%, 95%
CMY	0.9840, 0.0157, 0.0471
CMYK	0.98, 0.00, 0.03, 0.02
HSL	178°, 97%, 50%
HSV	178°, 98%, 98%
XYZ	50.7249, 75.4912, 96.6918
YIQ	176.2350, -144.6440, -54.8520

Conversions

Conversions Part 2

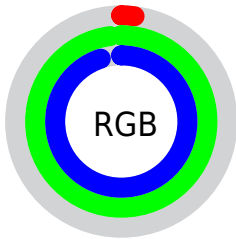
Format	Color
R _{YB}	4, 130, 251
Decimal	326643
CIE _{Lab}	89.62, -49.70, -10.13
CIE _{LCh}	90, 50.723, 191.521
Y _{xy}	75.4912, 0.2276, 0.3387
Android (android.graphics.Color)	4278516723 (0xFF04FBF3)
YUV	176.2350, 32.9151, -151.0501
Hunter-Lab	86.8857, -47.8395, -5.1616

Details

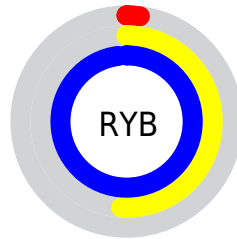
The XYZ color **50.7249, 75.4912, 96.6918** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light saturated cyan. A complement of this color would be **39.8959, 20.6249, 2.2284**, and the grayscale version is **41.2887, 43.4390, 47.3050**.

A 20% lighter version of the original color is **61.5557, 82.7331, 107.3325**, and **28.2614, 42.1714, 53.6641** is the 20% darker color. If you saturate the color by 10%, you get **50.6563, 75.4598, 96.5864**, and if you desaturate by 10%, it is **51.3109, 75.7807, 97.3636**.

Distribution



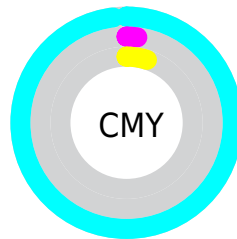
- Red (2%)
- Green (98%)
- Blue (95%)



- Red (2%)
- Yellow (51%)
- Blue (98%)



- Cyan (98%)
- Magenta (0%)
- Yellow (3%)
- Black (2%)



- Cyan (98%)
- Magenta (2%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.7249, 75.4912, 96.6918 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 50.7249, 75.4912, 96.6918 by changing the saturation by 10% instead.

50.7249, 75.4912,
96.6918

50.7249, 75.4912,
96.6918

379.8993,
479.6042, 570.6891

36.2099, 56.0154,
72.9392

90.4334, 127.0074,
158.6155

24.7672, 40.2153,
53.4347

116.3576,
159.8167, 197.6236

16.0315, 27.7064,
37.7598

146.8156,
197.8391, 242.5540

9.6374, 18.1045,
25.4960

182.1726,
241.4593, 293.8253

5.2196, 11.0250,
16.2246

222.7942,
291.0614, 351.8559

2.4128, 6.0837,
9.5271

269.0456,

0.8515, 2.8960,

347.0300, 417.0643

4.9851

321.2922,
409.7495, 489.8693

■ 0.0000, 1.0777,
2.1799

■ 0.0000, 0.0000,
0.6628

■ 50.7249, 75.4912,
96.6918

■ 50.7249, 75.4912,
96.6918

■ 50.6563, 75.4598,
96.5864

■ 51.3109, 75.7807,
97.3636

■ 52.4589, 76.3583,
98.0629

■ 54.3026, 77.2944,
98.7976

■ 56.9358, 78.6374,
99.5720

■ 60.4376, 80.4282,
100.3900

■ 64.8778, 82.7027,
101.2547

■ 70.3189, 85.4931,
102.1692

■ 76.8182, 88.8289,
103.1360

■ 84.4284, 92.7374,
104.1577

Harmonies

Analogous

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



51.3252, 75.4912, 62.2922



50.7249, 75.4912, 96.6918



55.2522, 75.4912, 136.6506

Triad

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



50.7249, 75.4912, 96.6918



88.8528, 75.4912, 145.0917



79.6253, 75.4912, 32.7481

Complementary

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



50.7249, 75.4912, 96.6918



39.8959, 20.6249, 2.2284

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.



91.2477, 75.4912, 44.5564



50.7249, 75.4912, 96.6918



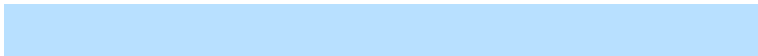
96.9861, 75.4912, 105.9460

Square

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



50.7249, 75.4912, 96.6918



76.6492, 75.4912, 169.5358



97.9101, 75.4912, 69.2285



67.0682, 75.4912, 31.5937

Rectangle

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



50.7249, 75.4912, 96.6918



60.9130, 75.4912, 158.5564



97.9101, 75.4912, 69.2285



83.8063, 75.4912, 35.3993

Sweetspot

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



50.7272, 75.4940, 96.6936



71.8884, 88.1056, 105.7461



34.6764, 69.0859, 11.6241



14.8658, 18.5909, 22.5478



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.



50.7272, 75.4940, 96.6936



52.5079, 78.2192, 100.1133



26.2355, 24.5344, 94.6226



17.7401, 19.5983, 22.0979



26.6373, 39.6679, 50.8265



2.4745, 3.6769, 4.7465

Inverse Universe

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



39.8959, 20.6249, 2.2284



41.2853, 21.2781, 2.1684



46.4404, 33.7852, 4.1904



17.2674, 17.2343, 17.9979



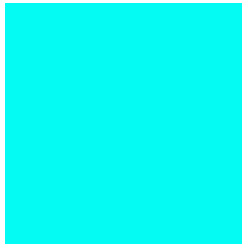
20.9454, 10.7939, 1.1551



1.9477, 1.0028, 0.1479

Previews

White Background



This preview shows how the XYZ color 50.7249, 75.4912, 96.6918 looks on a white background.

Color Contrast Check

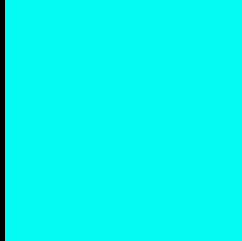
Large Text (above 18pt) WCAG AA × Fail

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 50.7249, 75.4912, 96.6918 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

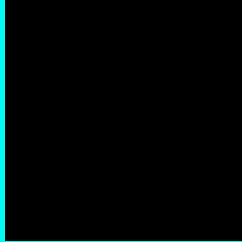
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

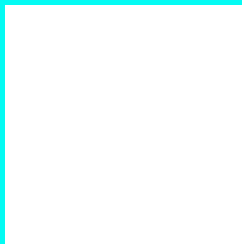
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.7249, 75.4912, 96.6918

Background



This preview shows how black text looks on a background with the XYZ color 50.7249, 75.4912, 96.6918.

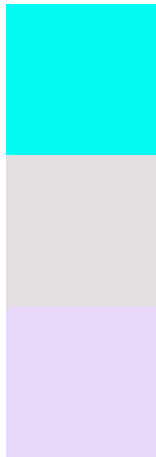


This preview shows how white text looks on a background with the XYZ color 50.7249, 75.4912,

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

50.7249, 75.4912, 96.6918

Protanopia

71.2128, 73.9023, 82.4628

Deuteranopia

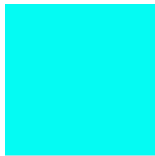
75.3469, 73.6836, 100.6936



Tritanopia

59.2018, 74.6911, 105.9043

Trichromacy



Original Color

50.7249, 75.4912, 96.6918



Protanomaly

55.3815, 70.1238, 86.9603



Deuteranomaly

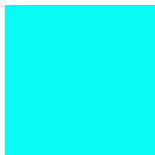
57.2022, 69.1436, 98.3269



Tritanomaly

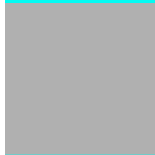
53.6938, 73.6926, 102.6609

Monochromacy



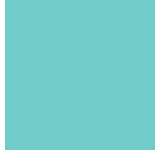
Original Color

50.7249, 75.4912, 96.6918



Achromatopsia

41.2663, 43.4154, 47.2793



Achromatomaly

38.5913, 50.3927, 62.3364

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.7249, 75.4912, 96.6918 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(4, 251, 243)` looks like.

```
.text, #text, p{  
    color:rgb(4, 251, 243)  
}
```

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(4, 251, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 251, 243) }
```

Border

The CSS property to change the border of an element to XYZ 50.7249, 75.4912, 96.6918 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(4, 251, 243) }
```


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

```
.border{ border-color:rgb(4, 251, 243) }
```

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

Here you see how a box with a 4 pixel rgb(4, 251, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 251, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 251, 243);  
box-shadow:4px 4px 4px 4px rgb(4, 251,  
243) }
```

Background

The CSS property to change the background color of an element to XYZ 50.7249, 75.4912, 96.6918 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 251, 243) }
```

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

```
.background{ background-color: rgb(4, 251,  
243) }
```

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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