

Converting Colors

XYZ(50.5075, 69.3916, 76.4157)

Have a look what the booklet for
XYZ(50.5075, 69.3916, 76.4157)
contains.

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Color

**XYZ(50.5543, 69.5712,
76.4097)**

Conversions

Conversions Part 1

Format	Color
Hex	78EDD9
RGB	120, 237, 217
RGB Percent	47%, 93%, 85%
CMY	0.5294, 0.0706, 0.1490
CMYK	0.49, 0.00, 0.08, 0.07
HSL	170°, 76%, 70%
HSV	170°, 49%, 93%
XYZ	50.5543, 69.5712, 76.4097
YIQ	199.7370, -63.3120, -31.0240

Conversions

Conversions Part 2

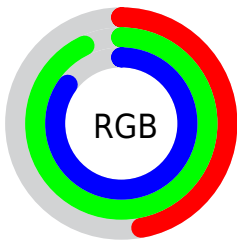
Format	Color
RYB	120, 184, 237
Decimal	7925209
CIELab	86.79, -37.93, -0.51
CIELCh	87, 37.934, 180.773
Yxy	69.5712, 0.2572, 0.3540
Android (android.graphics.Color)	4286115289 (0xFF78EDD9)
YUV	199.7370, 8.5107, -69.9293
Hunter-Lab	83.4094, -37.7777, 4.0721

Details

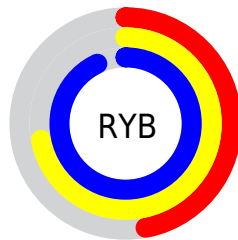
The XYZ color **50.5543, 69.5712, 76.4097** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **46.3775, 33.3329, 28.8031**, and the grayscale version is **54.7169, 57.5664, 62.6899**.

A 20% lighter version of the original color is **72.4004, 88.3237, 107.8400**, and **24.7328, 36.5262, 39.9291** is the 20% darker color. If you saturate the color by 10%, you get **47.1451, 67.8756, 73.5339**, and if you desaturate by 10%, it is **54.7937, 71.6968, 79.3949**.

Distribution



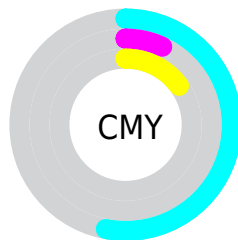
- Red (47%)
- Green (93%)
- Blue (85%)



- Red (47%)
- Yellow (72%)
- Blue (93%)



- Cyan (49%)
- Magenta (0%)
- Yellow (8%)
- Black (7%)




- Cyan (53%)
- Magenta (7%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.5543, 69.5712, 76.4097 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 50.5543, 69.5712, 76.4097 by changing the saturation by 10% instead.


 50.5543, 69.5712,
76.4097


 50.5543, 69.5712,
76.4097

379.2459,
459.0430, 502.1331


 36.0736, 51.1770,
56.2599


 90.1825, 118.5971,
130.0713

 24.6614, 36.3495,
40.0059


 116.0608,
149.9975, 164.4201

 15.9524, 24.7043,
27.2293


 146.4690,
186.5022, 204.3389

 9.5811, 15.8569,
17.5116

181.7724,
228.4956, 250.2464

 5.1822, 9.4229,
10.4341

222.3365,
276.3619, 302.5610

 2.3904, 5.0180,
5.5784

268.5265,

 0.8403, 2.2579,

330.4857, 361.7013

2.5258

320.7079,
391.2512, 428.0858

■ 0.0000, 0.7513,
0.8538

■ 0.0000, 0.0000,
0.0000

■ 50.5543, 69.5712,
76.4097

■ 50.5543, 69.5712,
76.4097

■ 47.1451, 67.8756,
73.5339

■ 54.7937, 71.6968,
79.3949

■ 44.4991, 66.5701,
70.7594


■ 59.9124, 74.2724,
82.4878


■ 42.5482, 65.6216,
68.0840


■ 65.9626, 77.3267,
85.6928


■ 41.2097, 64.9873,
65.5034


■ 72.9906, 80.8836,
89.0125


 40.3527, 64.5998,
63.0110

 81.0397, 84.9653,
92.4494

 40.3046, 64.5784,
62.8555

 87.4493, 88.2003,
95.8795

 88.0625, 88.4456,
99.1086

 88.6893, 88.6963,
102.4091

 89.3297, 88.9524,
105.7814

Harmonies

Analogous

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



52.3825, 69.5712, 54.3959



50.5543, 69.5712, 76.4097



52.5790, 69.5712, 103.4649

Triad

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



50.5543, 69.5712, 76.4097



75.2019, 69.5712, 125.7039



74.7701, 69.5712, 40.7360

Complementary

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



50.5543, 69.5712, 76.4097



46.3775, 33.3329, 28.8031

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.



81.8188, 69.5712, 53.4890



50.5543, 69.5712, 76.4097



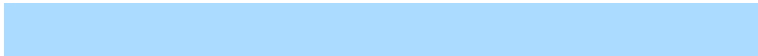
82.0833, 69.5712, 102.0712

Square

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



50.5543, 69.5712, 76.4097



66.3549, 69.5712, 135.5440



84.6044, 69.5712, 75.0965



65.8963, 69.5712, 36.7793

Rectangle

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



50.5543, 69.5712, 76.4097



55.9552, 69.5712, 120.0270



84.6044, 69.5712, 75.0965



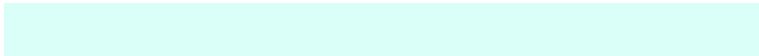
77.4586, 69.5712, 43.9720

Sweetspot

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



50.5563, 69.5739, 76.4113



81.3159, 93.0394, 102.8548



44.7377, 67.6295, 28.4666



17.0384, 19.7288, 21.8387



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.



50.5563, 69.5739, 76.4113



55.7148, 80.1688, 86.8708



43.6766, 51.3954, 87.7422



15.4007, 17.0751, 18.7928



22.0469, 35.2732, 34.5418



1.7604, 2.7815, 2.8661

Inverse Universe

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



46.3775, 33.3329, 28.8031



50.2933, 32.8907, 24.9124



50.3830, 43.4937, 23.5103



15.1705, 15.0961, 16.1834



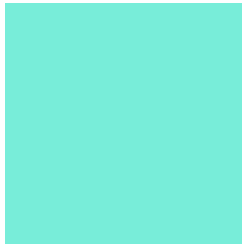
19.3145, 9.9285, 2.1914



1.5474, 0.7919, 0.3342

Previews

White Background



This preview shows how the XYZ color 50.5543, 69.5712, 76.4097 looks on a white background.

Color Contrast Check

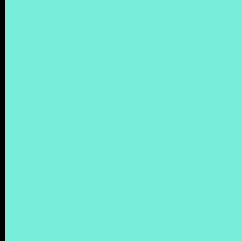
Large Text (above 18pt) WCAG AA × Fail

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 50.5543, 69.5712, 76.4097 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

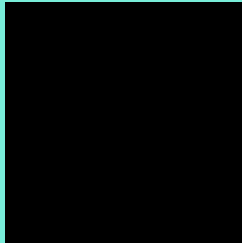
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

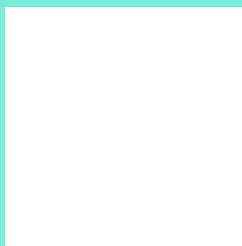
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.5543, 69.5712, 76.4097

Background



This preview shows how black text looks on a background with the XYZ color 50.5543, 69.5712, 76.4097.

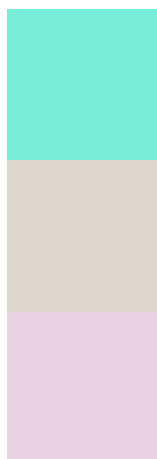


This preview shows how white text looks on a background with the XYZ color 50.5543, 69.5712,

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

50.5543, 69.5712, 76.4097

Protanopia

65.4441, 68.5383, 67.5375

Deuteranopia

70.0514, 68.4211, 79.3265



Tritanopia

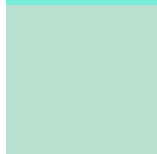
55.6293, 69.5036, 101.7503

Trichromacy



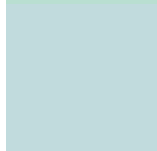
Original Color

50.5543, 69.5712, 76.4097



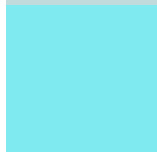
Protanomaly

57.9039, 67.6931, 70.3358



Deuteranomaly

60.3750, 67.2210, 78.1995



Tritanomaly

53.7552, 69.5897, 92.2603

Monochromacy



Original Color

50.5543, 69.5712, 76.4097



Achromatopsia

54.8990, 57.7580, 62.8985



Achromatomaly

51.7294, 60.7027, 67.3829

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.5543, 69.5712, 76.4097 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(120, 237, 217)` looks like.

```
.text, #text, p{  
    color:rgb(120, 237, 217)  
}
```

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(120, 237, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 237, 217) }
```

Border

The CSS property to change the border of an element to XYZ 50.5543, 69.5712, 76.4097 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(120, 237, 217) }
```


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

```
.border{ border-color:rgb(120, 237, 217) }
```

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

Here you see how a box with a 4 pixel rgb(120, 237, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 237, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 237, 217);  
box-shadow:4px 4px 4px 4px rgb(120, 237,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 50.5543, 69.5712, 76.4097 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 237, 217) }
```

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

```
.background{ background-color: rgb(120,  
237, 217) }
```

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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