

Converting Colors

XYZ(53.1177, 79.0961, 74.7261)

Have a look what the booklet for
XYZ(53.1177, 79.0961, 74.7261)
contains.

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Color

**XYZ(53.1232, 79.0982,
74.7550)**

Conversions

Conversions Part 1

Format	Color
Hex	66FFD4
RGB	102, 255, 212
RGB Percent	40%, 100%, 83%
CMY	0.6000, 0.0000, 0.1686
CMYK	0.60, 0.00, 0.17, 0.00
HSL	163°, 100%, 70%
HSV	163°, 60%, 100%
XYZ	53.1232, 79.0982, 74.7550
YIQ	204.3510, -77.3850, -45.8090

Conversions

Conversions Part 2

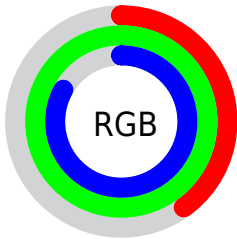
Format	Color
RYB	102, 191, 255
Decimal	6750164
CIELab	91.28, -50.55, 8.53
CIELCh	91, 51.260, 170.425
Yxy	79.0982, 0.2567, 0.3822
Android (android.graphics.Color)	4284940244 (0xFF66FFD4)
YUV	204.3510, 3.7710, -89.7618
Hunter-Lab	88.9372, -49.0199, 12.4206

Details

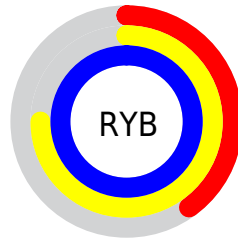
The XYZ color **53.1232, 79.0982, 74.7550** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **51.1031, 32.8083, 30.4288**, and the grayscale version is **57.6291, 60.6303, 66.0264**.

A 20% lighter version of the original color is **69.3270, 86.7393, 107.6962**, and **26.1397, 42.4120, 38.7069** is the 20% darker color. If you saturate the color by 10%, you get **49.7804, 77.4771, 69.9845**, and if you desaturate by 10%, it is **57.3963, 81.1943, 79.7813**.

Distribution



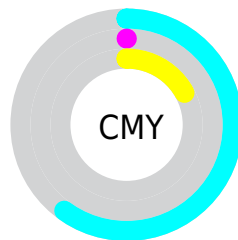
- Red (40%)
- Green (100%)
- Blue (83%)



- Red (40%)
- Yellow (75%)
- Blue (100%)



- Cyan (60%)
- Magenta (0%)
- Yellow (17%)
- Black (0%)





- Cyan (60%)
- Magenta (0%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.1232, 79.0982, 74.7550 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 53.1232, 79.0982, 74.7550 by changing the saturation by 10% instead.


 53.1232, 79.0982,
74.7550


 53.1232, 79.0982,
74.7550


389.0107,
491.8885, 496.3080


 38.1290, 58.9766,
54.9117


 93.9501, 132.0971,
127.7094

 26.2605, 42.5942,
38.9329


 120.5135,
165.7431, 161.6576

 17.1523, 29.5669,
26.4001


 151.6640,
204.6661, 201.1444

 10.4391, 19.5101,
16.8947

187.7670,
249.2504, 246.5885

 5.7556, 12.0394,
9.9983

229.1878,
299.8803, 298.4084

 2.7363, 6.7705,
5.2922

276.2918,

 1.0159, 3.3190,

356.9404, 357.0225

2.3580

329.4443,
420.8150, 422.8496

0.0000, 1.3005,
0.7634

0.0000, 0.1416,
0.0000

53.1232, 79.0982,
74.7550

53.1232, 79.0982,
74.7550

49.7804, 77.4771,
69.9845

57.3963, 81.1943,
79.7813

47.2804, 76.2859,
65.4588

62.6715, 83.8023,
85.0653

45.5228, 75.4729,
61.1720

69.0162, 86.9569,
90.6140

44.3423, 74.9529,
57.1135

76.4911, 90.6893,
96.4330

■ 44.3421, 74.9528,
57.1126

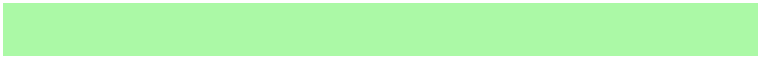
■ 85.1525, 95.0284,
102.5271

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



57.5086, 79.0982, 48.0867



53.1232, 79.0982, 74.7550



54.0999, 79.0982, 113.6085

Triad

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



53.1232, 79.0982, 74.7550



84.2479, 79.0982, 172.1633



92.2604, 79.0982, 41.8824

Complementary

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



53.1232, 79.0982, 74.7550



51.1031, 32.8083, 30.4288

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.



101.1291, 79.0982, 63.4743



53.1232, 79.0982, 74.7550



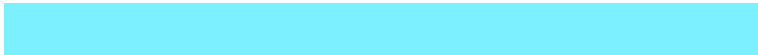
96.1457, 79.0982, 140.2708

Square

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



53.1232, 79.0982, 74.7550



71.0980, 79.0982, 177.7846



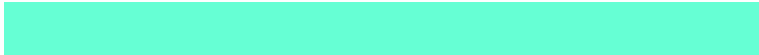
102.6276, 79.0982, 98.5920



79.4163, 79.0982, 33.0549

Rectangle

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



53.1232, 79.0982, 74.7550



57.7084, 79.0982, 141.4015



102.6276, 79.0982, 98.5920



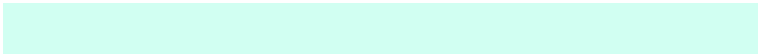
95.8648, 79.0982, 47.5365

Sweetspot

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



53.1241, 79.0987, 74.7564



78.1249, 91.5067, 97.6282



49.8981, 78.5314, 25.1001



16.2160, 19.3331, 20.5246



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.



53.1241, 79.0987, 74.7564



49.2153, 77.2057, 69.0588



49.6119, 62.2087, 104.0004



18.3243, 20.3893, 22.0109



23.2367, 39.1913, 30.1956



2.3092, 3.8346, 3.1860

Inverse Universe

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



51.1031, 32.8083, 30.4288



47.0939, 27.2476, 21.5159



52.3241, 39.5905, 17.4559



18.2192, 18.0710, 19.7714



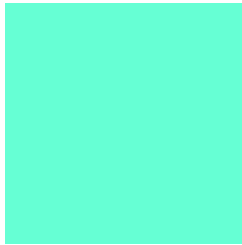
22.2088, 11.3728, 4.4839



2.2066, 1.1250, 0.6695

Previews

White Background



This preview shows how the XYZ color 53.1232, 79.0982, 74.7550 looks on a white background.

Color Contrast Check

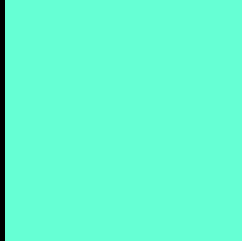
Large Text (above 18pt) WCAG AA × Fail

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 53.1232, 79.0982, 74.7550 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

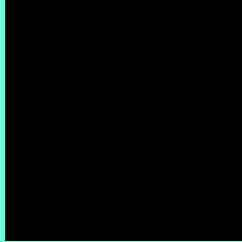
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

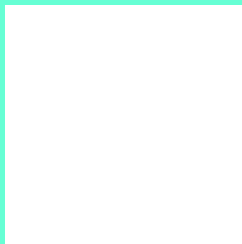
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 53.1232, 79.0982, 74.7550

Background



This preview shows how black text looks on a background with the XYZ color 53.1232, 79.0982, 74.7550.

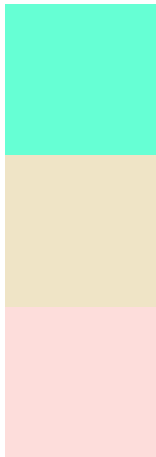


This preview shows how white text looks on a background with the XYZ color 53.1232, 79.0982,

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

53.1232, 79.0982, 74.7550

Protanopia

73.5330, 77.9147, 64.5895

Deuteranopia

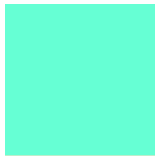
79.1506, 77.7100, 77.8457



Tritanopia

65.4416, 78.3461, 106.2809

Trichromacy



Original Color

53.1232, 79.0982, 74.7550



Protanomaly

62.3403, 76.2797, 67.9377



Deuteranomaly

64.8223, 75.2415, 76.0723



Tritanomaly

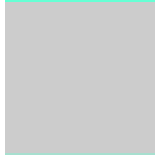
59.8634, 77.9832, 93.5585

Monochromacy



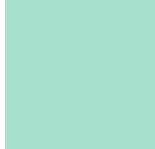
Original Color

53.1232, 79.0982, 74.7550



Achromatopsia

57.3938, 60.3827, 65.7568



Achromatomaly

53.5865, 65.4958, 68.8491

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.1232, 79.0982, 74.7550 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(102, 255, 212)` looks like.

```
.text, #text, p{  
    color:rgb(102, 255, 212)  
}
```

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(102, 255, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 255, 212) }
```

Border

The CSS property to change the border of an element to XYZ 53.1232, 79.0982, 74.7550 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(102, 255, 212) }
```


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

```
.border{ border-color:rgb(102, 255, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 255, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 255, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 255, 212);  
box-shadow:4px 4px 4px 4px rgb(102, 255,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 53.1232, 79.0982, 74.7550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 255, 212) }
```

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

```
.background{ background-color: rgb(102,  
255, 212) }
```

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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