

Converting Colors

XYZ(53.2266, 79.1396, 75.2997)

Have a look what the booklet for
XYZ(53.2266, 79.1396, 75.2997)
contains.

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Color

**XYZ(53.2497, 79.1489,
75.4215)**

Conversions

Conversions Part 1

Format	Color
Hex	66FFD5
RGB	102, 255, 213
RGB Percent	40%, 100%, 84%
CMY	0.6000, 0.0000, 0.1647
CMYK	0.60, 0.00, 0.16, 0.00
HSL	164°, 100%, 70%
HSV	164°, 60%, 100%
XYZ	53.2497, 79.1489, 75.4215
YIQ	204.4650, -77.7060, -45.4980

Conversions

Conversions Part 2

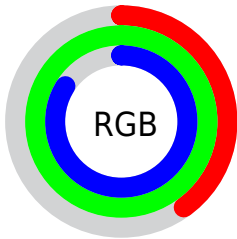
Format	Color
RYB	102, 191, 255
Decimal	6750165
CIELab	91.30, -50.32, 8.04
CIELCh	91, 50.957, 170.919
Yxy	79.1489, 0.2562, 0.3809
Android (android.graphics.Color)	4284940245 (0xFF66FFD5)
YUV	204.4650, 4.2078, -89.8618
Hunter-Lab	88.9657, -48.8501, 12.0123

Details

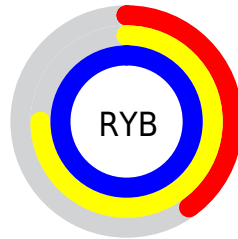
The XYZ color **53.2497, 79.1489, 75.4215** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **51.0261, 32.7774, 30.0239**, and the grayscale version is **57.6986, 60.7034, 66.1060**.

A 20% lighter version of the original color is **69.3270, 86.7393, 107.6962**, and **26.2254, 42.4463, 39.1585** is the 20% darker color. If you saturate the color by 10%, you get **49.9216, 77.5336, 70.7282**, and if you desaturate by 10%, it is **57.5063, 81.2383, 80.3611**.

Distribution



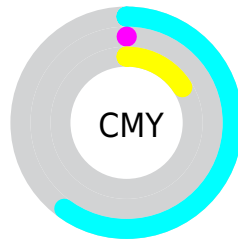
- Red (40%)
- Green (100%)
- Blue (84%)



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



- Cyan (60%)
- Magenta (0%)
- Yellow (16%)
- Black (0%)





- Cyan (60%)
- Magenta (0%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.2497, 79.1489, 75.4215 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 53.2497, 79.1489, 75.4215 by changing the saturation by 10% instead.


 53.2497, 79.1489,
75.4215


 53.2497, 79.1489,
75.4215


389.4876,
492.0599, 498.6591


 38.2304, 59.0182,
55.4545

 94.1351, 132.1685,
128.6614

 26.3396, 42.6278,
39.3646


 120.7319,
165.8262, 162.7714

 17.2119, 29.5932,
26.7335


 151.9185,
204.7616, 202.4327

 10.4819, 19.5300,
17.1425

188.0604,
249.3593, 248.0640

 5.7843, 12.0539,
10.1731

229.5230,
300.0036, 300.0837

 2.7538, 6.7804,
5.4068

276.6714,

 1.0249, 3.3251,

357.0789, 358.9104

2.4250

329.8712,
420.9695, 424.9627

■ 0.0000, 1.3037,
0.8000

■ 0.0000, 0.1441,
0.0000

■ 53.2497, 79.1489,
75.4215

■ 53.2497, 79.1489,
75.4215

■ 49.9216, 77.5336,
70.7282

■ 57.5063, 81.2383,
80.3611

■ 47.4345, 76.3476,
66.2707

■ 62.7631, 83.8389,
85.5489

■ 45.6882, 75.5390,
62.0430

■ 69.0877, 86.9854,
90.9917

■ 44.5173, 75.0229,
58.0349

■ 76.5405, 90.7090,
96.6948

■ 44.5171, 75.0228,
58.0342

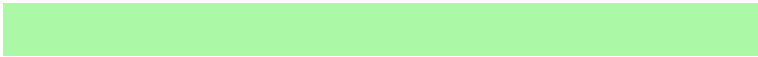
■ 85.1779, 95.0386,
102.6630

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.



57.5308, 79.1489, 48.6305



53.2497, 79.1489, 75.4215



54.3108, 79.1489, 114.1877

Triad

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



53.2497, 79.1489, 75.4215



84.4603, 79.1489, 171.2792



92.0181, 79.1489, 41.8782

Complementary

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



53.2497, 79.1489, 75.4215



51.0261, 32.7774, 30.0239

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.



100.9271, 79.1489, 63.1726



53.2497, 79.1489, 75.4215



96.2280, 79.1489, 139.3197

Square

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



53.2497, 79.1489, 75.4215



71.3719, 79.1489, 177.3584



102.5501, 79.1489, 97.9152



79.2219, 79.1489, 33.2525

Rectangle

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



53.2497, 79.1489, 75.4215



57.9605, 79.1489, 141.7431



102.5501, 79.1489, 97.9152



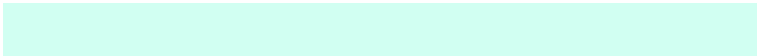
95.6253, 79.1489, 47.4457

Sweetspot

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



53.2505, 79.1493, 75.4229



78.1700, 91.5248, 97.8660



49.8979, 78.5313, 25.0998



16.2271, 19.3375, 20.5830



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.



53.2505, 79.1493, 75.4229



49.3593, 77.2633, 69.8171



49.6117, 62.2085, 104.0004



18.3296, 20.3914, 22.0387



23.3274, 39.2275, 30.6730



2.3174, 3.8379, 3.2294

Inverse Universe

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



51.0261, 32.7774, 30.0239



47.0192, 27.2177, 21.1225



52.3239, 39.5903, 17.4555



18.2142, 18.0690, 19.7452



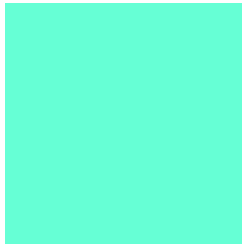
22.1799, 11.3613, 4.3320



2.2033, 1.1237, 0.6518

Previews

White Background



This preview shows how the XYZ color 53.2497, 79.1489, 75.4215 looks on a white background.

Color Contrast Check

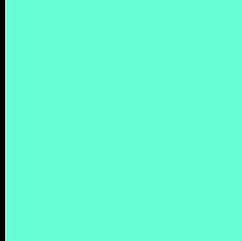
Large Text (above 18pt) WCAG AA × Fail

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 53.2497, 79.1489, 75.4215 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

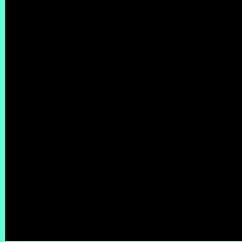
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 53.2497, 79.1489, 75.4215

Background



This preview shows how black text looks on a background with the XYZ color 53.2497, 79.1489, 75.4215.

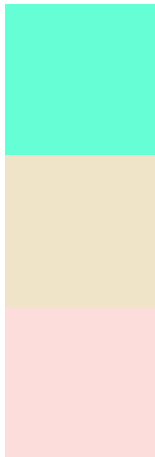


This preview shows how white text looks on a background with the XYZ color 53.2497, 79.1489,

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

53.2497, 79.1489, 75.4215

Protanopia

73.6488, 77.9610, 65.1991

Deuteranopia

79.2827, 77.7629, 78.5412



Tritanopia

65.4416, 78.3461, 106.2809

Trichromacy



Original Color

53.2497, 79.1489, 75.4215



Protanomaly

62.4599, 76.3275, 68.5674



Deuteranomaly

64.9520, 75.2933, 76.7554



Tritanomaly

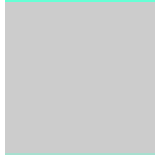
60.0116, 78.0424, 94.3388

Monochromacy



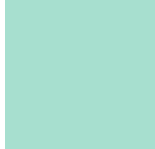
Original Color

53.2497, 79.1489, 75.4215



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 53.2497, 79.1489, 75.4215 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, 213)` looks like.

```
.text, #text, p{  
    color:rgb(102, 255, 213)  
}
```

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, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 255, 213) }
```

Border

The CSS property to change the border of an element to XYZ 53.2497, 79.1489, 75.4215 is called "border". The border property can be set on classes, ids or directly on the HTML element.

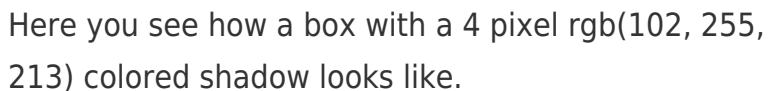
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(102, 255, 213) }
```


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

```
.border{ border-color:rgb(102, 255, 213) }
```

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, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(102, 255, 213); -webkit-box-shadow:4px 4px 4px 4px rgb(102, 255, 213); box-shadow:4px 4px 4px 4px rgb(102, 255, 213) }
```

Background

The CSS property to change the background color of an element to XYZ 53.2497, 79.1489, 75.4215 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, 213) }
```

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

```
.background{ background-color: rgb(102,  
255, 213) }
```

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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