

Converting Colors

XYZ(62.5824, 100.0000,
109.7312)

Have a look what the booklet for
XYZ(62.5824, 100.0000, 109.7312)
contains.

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Color

**XYZ(53.6494, 78.6758,
106.1243)**

Conversions

Conversions Part 1

Format	Color
Hex	00FFFE
RGB	0, 255, 254
RGB Percent	0%, 100%, 100%
CMY	0.9997, 0.0000, 0.0039
CMYK	1.00, 0.00, 0.00, 0.00
HSL	180°, 100%, 50%
HSV	180°, 100%, 100%
XYZ	53.6494, 78.6758, 106.1243
YIQ	178.6410, -151.6590, -54.3710

Conversions

Conversions Part 2

Format	Color
RYB	0, 128, 255
Decimal	65534
CIELab	91.09, -48.37, -13.66
CIELCh	91, 50.259, 195.775
Yxy	78.6758, 0.2250, 0.3299
Android (android.graphics.Color)	4278255614 (0xFF00FFFE)
YUV	178.6410, 37.1520, -156.6682
Hunter-Lab	88.6994, -47.2590, -8.8479

Details

The XYZ color **53.6494, 78.6758, 106.1243** 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 **41.2467, 21.2639, 1.9612**, and the grayscale version is **42.5347, 44.7498, 48.7326**.

A 20% lighter version of the original color is **61.6952, 82.8049, 107.3390**, and **30.0443, 43.9637, 59.7257** is the 20% darker color. If you saturate the color by 10%, you get **53.6496, 78.6759, 106.1255**, and if you desaturate by 10%, it is **54.0809, 78.8963, 106.2294**.

Distribution



- Red (0%)
- Green (100%)
- Blue (100%)



- Red (0%)
- Yellow (50%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)




- Cyan (100%)
- Magenta (0%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.6494, 78.6758, 106.1243 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 53.6494, 78.6758, 106.1243 by changing the saturation by 10% instead.


 53.6494, 78.6758,
106.1243


 53.6494, 78.6758,
106.1243

390.9919,
490.4589, 601.0679

 38.5510, 58.6293,
80.7797


 94.7192, 131.5024,
171.6732


 26.5898, 42.3148,
59.8302


 121.4213,
165.0512, 212.7146

 17.4003, 29.3478,
42.8574


 152.7220,
203.8696, 259.8254

 10.6174, 19.3441,
29.4427

 188.9866,
248.3420, 313.4240

 5.8756, 11.9192,
19.1675

230.5806,
298.8527, 373.9290

 2.8095, 6.6887,
11.6133

277.8692,

 1.0538, 3.2682,

355.7861, 441.7589

6.3616

331.2178,
419.5268, 517.3324

■ 0.0000, 1.2733,
2.9939

■ 0.0000, 0.1204,
1.0915

■ 53.6494, 78.6758,
106.1243

■ 53.6494, 78.6758,
106.1243

■ 53.6496, 78.6759,
106.1255

■ 54.0809, 78.8963,
106.2294

■ 55.0506, 79.3944,
106.3584

■ 56.7240, 80.2552,
106.5203

■ 59.2015, 81.5306,
106.7199

■ 62.5678, 83.2641,
106.9611

■ 66.8965, 85.4938,
107.2474

■ 72.2538, 88.2537,
107.5818

■ 78.6999, 91.5749,
107.9673

■ 86.2904, 95.4861,
108.4064

Harmonies

Analogous

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



53.5125, 78.6758, 69.5980



53.6494, 78.6758, 106.1243



59.0030, 78.6758, 146.2095

Triad

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



53.6494, 78.6758, 106.1243



93.6844, 78.6758, 144.3079



80.9436, 78.6758, 34.1727

Complementary

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



53.6494, 78.6758, 106.1243



41.2467, 21.2639, 1.9612

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.



93.1428, 78.6758, 44.6770



53.6494, 78.6758, 106.1243



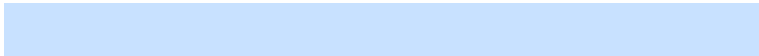
101.0435, 78.6758, 104.0310

Square

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



53.6494, 78.6758, 106.1243



81.6179, 78.6758, 172.1610



100.8348, 78.6758, 68.0195



68.3332, 78.6758, 34.4387

Rectangle

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



53.6494, 78.6758, 106.1243



65.1972, 78.6758, 166.6068



100.8348, 78.6758, 68.0195



85.2564, 78.6758, 36.3951

Sweetspot

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



53.6506, 78.6763, 106.1258



72.2368, 88.2450, 107.5808



35.8145, 71.5481, 11.9247



14.9508, 18.6249, 22.9953



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.



53.6506, 78.6763, 106.1258



53.6496, 78.6759, 106.1255



26.2731, 23.6649, 97.7908



18.5517, 20.4802, 23.2081



28.0345, 41.1104, 55.4604



2.7306, 4.0032, 5.4050

Inverse Universe

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



41.2467, 21.2639, 1.9612



41.2455, 21.2622, 1.9588



48.3591, 35.4976, 4.3050



18.0123, 17.9882, 18.6821



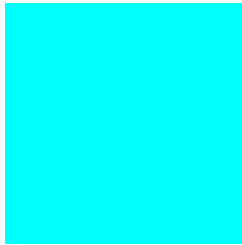
21.5529, 11.1104, 1.0301



2.0995, 1.0822, 0.1054

Previews

White Background



This preview shows how the XYZ color 53.6494, 78.6758, 106.1243 looks on a white background.

Color Contrast Check

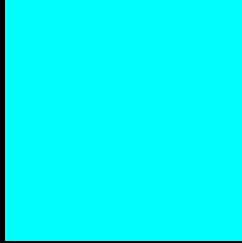
Large Text (above 18pt) WCAG AA × Fail

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 53.6494, 78.6758, 106.1243 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 53.6494, 78.6758, 106.1243

Background



This preview shows how black text looks on a background with the XYZ color 53.6494, 78.6758, 106.1243.

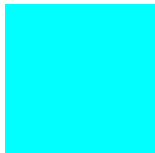


This preview shows how white text looks on a background with the XYZ color 53.6494, 78.6758,

Color Blindness Simulation

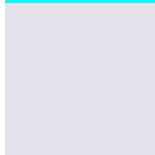
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

53.6494, 78.6758, 106.1243



Protanopia

74.6498, 77.1069, 90.3055



Deuteranopia

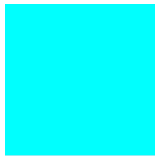
77.7164, 77.1512, 105.4033



Tritanopia

63.5124, 77.7922, 106.2757

Trichromacy



Original Color

53.6494, 78.6758, 106.1243



Protanomaly

58.3159, 73.1504, 95.8399



Deuteranomaly

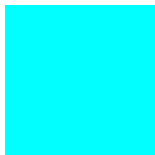
59.9711, 72.9326, 105.5243



Tritanomaly

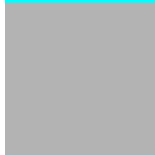
56.4564, 76.3942, 106.3777

Monochromacy



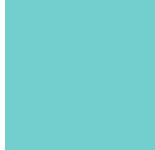
Original Color

53.6494, 78.6758, 106.1243



Achromatopsia

42.8472, 45.0786, 49.0906



Achromatomaly

40.3928, 52.6593, 66.4279

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.6494, 78.6758, 106.1243 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(0, 255, 254)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 254)  
}
```

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(0, 255, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 254) }
```

Border

The CSS property to change the border of an element to XYZ 53.6494, 78.6758, 106.1243 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(0, 255, 254) }
```


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

```
.border{ border-color:rgb(0, 255, 254) }
```

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

Here you see how a box with a 4 pixel rgb(0, 255, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 254);  
box-shadow:4px 4px 4px 4px rgb(0, 255,  
254) }
```

Background

The CSS property to change the background color of an element to XYZ 53.6494, 78.6758, 106.1243 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 255, 254) }
```

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

```
.background{ background-color: rgb(0, 255,  
254) }
```

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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