

Converting Colors

XYZ(47.5154, 68.9866, 95.3810)

Have a look what the booklet for
XYZ(47.5154, 68.9866, 95.3810)
contains.

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Color

**XYZ(47.4894, 68.8694,
95.5842)**

Conversions

Conversions Part 1

Format	Color
Hex	0CF0F3
RGB	12, 240, 243
RGB Percent	5%, 94%, 95%
CMY	0.9527, 0.0588, 0.0471
CMYK	0.95, 0.01, 0.00, 0.05
HSL	181°, 91%, 50%
HSV	181°, 95%, 95%
XYZ	47.4894, 68.8694, 95.5842
YIQ	172.1700, -136.8510, -47.4030

Conversions

Conversions Part 2

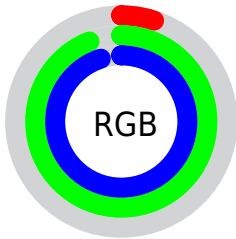
Format	Color
R_{YB}	12, 127, 243
Decimal	848115
CIE _{Lab}	86.44, -44.79, -14.88
CIE _{LCh}	86, 47.201, 198.378
Yxy	68.8694, 0.2241, 0.3249
Android (android.graphics.Color)	4279038195 (0xFF0CF0F3)
YUV	172.1700, 34.9192, -140.4691
Hunter-Lab	82.9876, -43.0822, -10.1983

Details

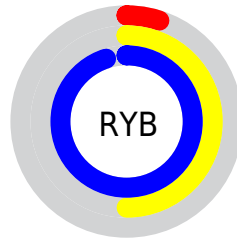
The XYZ color **47.4894, 68.8694, 95.5842** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light saturated cyan. A complement of this color would be **37.2012, 19.4251, 2.1386**, and the grayscale version is **39.1876, 41.2284, 44.8977**.

A 20% lighter version of the original color is **61.4177, 82.6619, 107.3260**, and **25.9031, 37.4548, 52.8780** is the 20% darker color. If you saturate the color by 10%, you get **47.2929, 68.7011, 95.5634**, and if you desaturate by 10%, it is **48.1723, 69.3609, 95.6444**.

Distribution



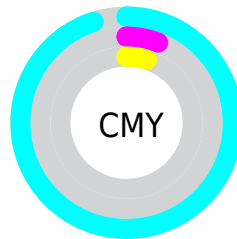
- Red (5%)
- Green (94%)
- Blue (95%)



- Red (5%)
- Yellow (50%)
- Blue (95%)



- Cyan (95%)
- Magenta (1%)
- Yellow (0%)
- Black (5%)





- Cyan (95%)
- Magenta (6%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.4894, 68.8694, 95.5842 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 47.4894, 68.8694, 95.5842 by changing the saturation by 10% instead.


 47.4894, 68.8694,
95.5842


 47.4894, 68.8694,
95.5842


367.3810,
456.5702, 567.0656


 33.6323, 50.6054,
72.0217


 85.6580, 117.5950,
157.0740


 22.7728, 35.8946,
52.6895


 110.7002,
148.8254, 195.8383

 14.5456, 24.3528,
37.1689


 140.2014,
185.1466, 240.5071

 8.5853, 15.5956,
25.0415

 174.5271,
226.9432, 291.4988

 4.5266, 9.2384,
15.8887

 214.0425,
274.5994, 349.2319

 2.0042, 4.8970,
9.2919

259.1131,

 0.6363, 2.1870,

328.4998, 414.1251

4.8327

310.1041,
389.0286, 486.5968

■ 0.0000, 0.7129,
2.0924

■ 0.0000, 0.0000,
0.6112

■ 47.4894, 68.8694,
95.5842

■ 47.4894, 68.8694,
95.5842

■ 47.2929, 68.7011,
95.5634

■ 48.1723, 69.3609,
95.6444

■ 49.4289, 70.1470,
95.7299

■ 51.3615, 71.2817,
95.8470

■ 54.0511, 72.8070,
95.9997

■ 57.5677, 74.7588,
96.1911

■ 61.9732, 77.1691,
96.4241

■ 67.3236, 80.0668,
96.7014

■ 73.6702, 83.4783,
97.0254

■ 81.0608, 87.4282,
97.3983

Harmonies

Analogous

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



46.9743, 68.8694, 63.5161



47.4894, 68.8694, 95.5842



52.4816, 68.8694, 129.5060

Triad

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



47.4894, 68.8694, 95.5842



82.4383, 68.8694, 122.4273



69.7789, 68.8694, 30.1693

Complementary

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



47.4894, 68.8694, 95.5842



37.2012, 19.4251, 2.1386

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.



80.4150, 68.8694, 38.4252



47.4894, 68.8694, 95.5842



88.2483, 68.8694, 87.7621

Square

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



47.4894, 68.8694, 95.5842



72.3025, 68.8694, 147.7338



87.4691, 68.8694, 57.5842



59.0603, 68.8694, 31.1798

Rectangle

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



47.4894, 68.8694, 95.5842



58.0238, 68.8694, 145.9122



87.4691, 68.8694, 57.5842



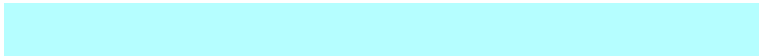
73.5022, 68.8694, 31.8327

Sweetspot

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



47.4915, 68.8719, 95.5859



72.5723, 87.9588, 107.7605



32.2704, 64.2075, 11.0424



14.9988, 18.5369, 23.0374



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.



47.4915, 68.8719, 95.5859



52.7629, 76.6458, 106.6210



23.9888, 21.8665, 87.7516



16.9772, 18.7187, 21.2608



25.9640, 37.7218, 52.4506



2.2878, 3.3270, 4.6118

Inverse Universe

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



52.8236, 25.6109, 84.6000



58.7615, 28.2686, 94.1969



44.6878, 34.3984, 4.6341



17.2038, 16.7644, 20.8199



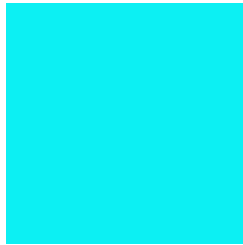
28.9099, 13.9074, 46.3616



2.5438, 1.2235, 4.0902

Previews

White Background



This preview shows how the XYZ color 47.4894, 68.8694, 95.5842 looks on a white background.

Color Contrast Check

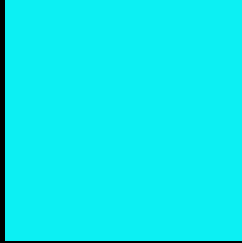
Large Text (above 18pt) WCAG AA × Fail

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 47.4894, 68.8694, 95.5842 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

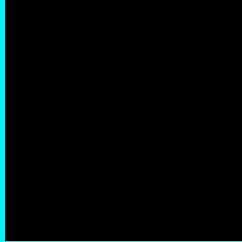
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.4894, 68.8694, 95.5842

Background



This preview shows how black text looks on a background with the XYZ color 47.4894, 68.8694, 95.5842.



This preview shows how white text looks on a background with the XYZ color 47.4894, 68.8694,

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

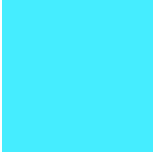
47.4894, 68.8694, 95.5842

Protanopia

65.5460, 67.5266, 81.5308

Deuteranopia

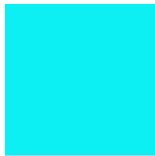
68.9692, 67.4085, 99.8185



Tritanopia

50.7884, 69.0536, 105.2596

Trichromacy



Original Color

47.4894, 68.8694, 95.5842



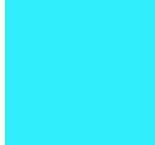
Protanomaly

51.9377, 64.2643, 86.0108



Deuteranomaly

53.7094, 63.7414, 97.4682



Tritanomaly

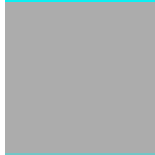
49.2060, 68.7425, 101.9420

Monochromacy



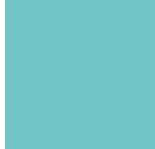
Original Color

47.4894, 68.8694, 95.5842



Achromatopsia

39.2122, 41.2543, 44.9259



Achromatomaly

37.0987, 47.5871, 60.6560

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.4894, 68.8694, 95.5842 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(12, 240, 243)` looks like.

```
.text, #text, p{  
    color:rgb(12, 240, 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(12, 240, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 240, 243) }
```

Border

The CSS property to change the border of an element to XYZ 47.4894, 68.8694, 95.5842 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(12, 240, 243) }
```


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

```
.border{ border-color:rgb(12, 240, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 240, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 240, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 240, 243);  
box-shadow:4px 4px 4px 4px rgb(12, 240,  
243) }
```

Background

The CSS property to change the background color of an element to XYZ 47.4894, 68.8694, 95.5842 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 240, 243) }
```

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

```
.background{ background-color: rgb(12, 240,  
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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