

Converting Colors

XYZ(47.2731, 68.9946, 93.6065)

Have a look what the booklet for
XYZ(47.2731, 68.9946, 93.6065)
contains.

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Color

**XYZ(47.0853, 68.7130,
93.2194)**

Conversions

Conversions Part 1

Format	Color
Hex	0FF0F0
RGB	15, 240, 240
RGB Percent	6%, 94%, 94%
CMY	0.9410, 0.0588, 0.0588
CMYK	0.94, 0.00, 0.00, 0.06
HSL	180°, 88%, 50%
HSV	180°, 94%, 94%
XYZ	47.0853, 68.7130, 93.2194
YIQ	172.7250, -134.1000, -47.7000

Conversions

Conversions Part 2

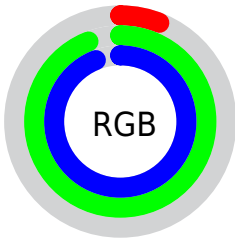
Format	Color
R _Y B	15, 128, 240
Decimal	1044720
CIE Lab	86.36, -45.59, -13.42
CIE LCh	86, 47.523, 196.407
Yxy	68.7130, 0.2253, 0.3287
Android (android.graphics.Color)	4279234800 (0xFF0FF0F0)
YUV	172.7250, 33.1666, -138.3248
Hunter-Lab	82.8933, -43.6712, -8.6505

Details

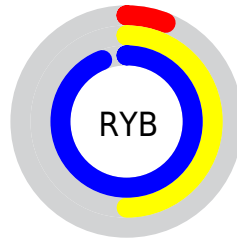
The XYZ color **47.0853, 68.7130, 93.2194** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light saturated cyan. A complement of this color would be **36.1945, 18.9037, 2.1951**, and the grayscale version is **39.4748, 41.5306, 45.2268**.

A 20% lighter version of the original color is **61.4177, 82.6619, 107.3260**, and **25.5852, 37.3277, 51.2039** is the 20% darker color. If you saturate the color by 10%, you get **46.8895, 68.6135, 93.2117**, and if you desaturate by 10%, it is **47.7283, 69.0459, 93.2512**.

Distribution



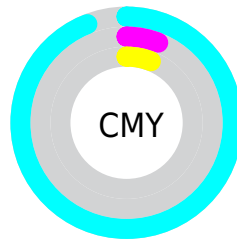
- Red (6%)
- Green (94%)
- Blue (94%)



- Red (6%)
- Yellow (50%)
- Blue (94%)



- Cyan (94%)
- Magenta (0%)
- Yellow (0%)
- Black (6%)





- Cyan (94%)
- Magenta (6%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.0853, 68.7130, 93.2194 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 47.0853, 68.7130, 93.2194 by changing the saturation by 10% instead.


 47.0853, 68.7130,
93.2194


 47.0853, 68.7130,
93.2194


365.7981,
456.0181, 559.2868

 33.3113, 50.4780,
70.0652


 85.0589, 117.3716,
153.7767


 22.5254, 35.7934,
51.1026


 109.9892,
148.5639, 192.0168


 14.3622, 24.2746,
35.9129


 139.3691,
184.8442, 236.1227

 8.4564, 15.5375,
24.0778

 173.5638,
226.5968, 286.5128

 4.4426, 9.1975,
15.1786

 212.9386,
274.2061, 343.6057

 1.9555, 4.8702,
8.7968

257.8591,

 0.6088, 2.1713,

328.0565, 407.8200

4.5139

308.6905,
388.5323, 479.5742

■ 0.0000, 0.7043,
1.9113

■ 0.0000, 0.0000,
0.4999

■ 47.0853, 68.7130,
93.2194

■ 47.0853, 68.7130,
93.2194

■ 46.8895, 68.6135,
93.2117

■ 47.7283, 69.0459,
93.2512

■ 48.9429, 69.6721,
93.3082

■ 50.8252, 70.6424,
93.3964

■ 53.4521, 71.9966,
93.5195

■ 56.8902, 73.7691,
93.6805

■ 61.1987, 75.9902,
93.8823

■ 66.4314, 78.6877,
94.1273

■ 72.6375, 81.8871,
94.4179

■ 79.8630, 85.6120,
94.7562

Harmonies

Analogous

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



46.8700, 68.7130, 61.4923



47.0853, 68.7130, 93.2194



51.8122, 68.7130, 127.6812

Triad

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



47.0853, 68.7130, 93.2194



81.8171, 68.7130, 124.7075



70.3960, 68.7130, 30.1054

Complementary

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



47.0853, 68.7130, 93.2194



36.1945, 18.9037, 2.1951

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.



80.9685, 68.7130, 39.0257



47.0853, 68.7130, 93.2194



88.0442, 68.7130, 89.9391

Square

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



47.0853, 68.7130, 93.2194



71.4536, 68.7130, 149.0594



87.7173, 68.7130, 59.0110



59.5284, 68.7130, 30.5260

Rectangle

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



47.0853, 68.7130, 93.2194



57.2222, 68.7130, 144.9947



87.7173, 68.7130, 59.0110



74.1253, 68.7130, 31.9736

Sweetspot

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



47.0874, 68.7156, 93.2211



73.4814, 88.8810, 107.8902



31.5124, 62.4933, 10.8555



15.1871, 18.7453, 23.0676



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.



47.0874, 68.7156, 93.2211



53.8097, 78.7399, 106.9684



24.0802, 22.7007, 85.5532



16.2474, 17.9290, 20.3259



25.6672, 37.5589, 51.0239



2.1353, 3.1245, 4.2447

Inverse Universe

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



36.1945, 18.9037, 2.1951



41.2400, 21.2600, 1.9301



43.2029, 32.9205, 4.5312



15.7729, 15.7589, 16.3602



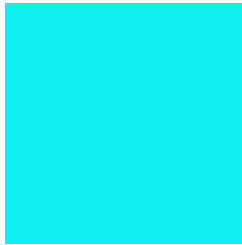
19.6715, 10.1410, 0.9206



1.6365, 0.8436, 0.0766

Previews

White Background



This preview shows how the XYZ color 47.0853, 68.7130, 93.2194 looks on a white background.

Color Contrast Check

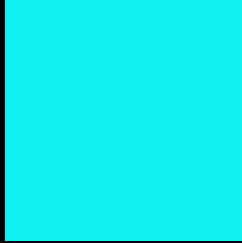
Large Text (above 18pt) WCAG AA × Fail

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 47.0853, 68.7130, 93.2194 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

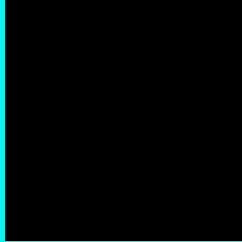
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.0853, 68.7130, 93.2194

Background



This preview shows how black text looks on a background with the XYZ color 47.0853, 68.7130, 93.2194.

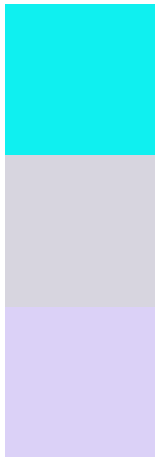


This preview shows how white text looks on a background with the XYZ color 47.0853, 68.7130,

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

47.0853, 68.7130, 93.2194

Protanopia

65.1379, 67.3633, 79.3813

Deuteranopia

68.8024, 67.3764, 97.3744



Tritanopia

50.3602, 68.4042, 105.1568

Trichromacy



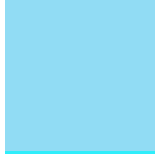
Original Color

47.0853, 68.7130, 93.2194



Protanomaly

51.6859, 64.1833, 83.7932



Deuteranomaly

53.5994, 63.7378, 95.0656



Tritanomaly

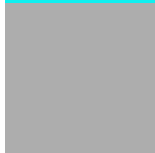
48.7584, 68.0989, 101.0170

Monochromacy



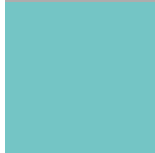
Original Color

47.0853, 68.7130, 93.2194



Achromatopsia

39.7200, 41.7885, 45.5077



Achromatomaly

37.2468, 47.6767, 60.0627

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.0853, 68.7130, 93.2194 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(15, 240, 240)` looks like.

```
.text, #text, p{  
    color:rgb(15, 240, 240)  
}
```

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(15, 240, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 240, 240) }
```

Border

The CSS property to change the border of an element to XYZ 47.0853, 68.7130, 93.2194 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(15, 240, 240) }
```


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

```
.border{ border-color:rgb(15, 240, 240) }
```

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

Here you see how a box with a 4 pixel rgb(15, 240, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 240, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 240, 240);  
box-shadow:4px 4px 4px 4px rgb(15, 240,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 47.0853, 68.7130, 93.2194 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 240, 240) }
```

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

```
.background{ background-color: rgb(15, 240,  
240) }
```

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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