

Converting Colors

XYZ(48.3524, 68.1745, 93.2180)

Have a look what the booklet for
XYZ(48.3524, 68.1745, 93.2180)
contains.

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Color

**XYZ(48.2591, 68.0179,
93.0233)**

Conversions

Conversions Part 1

Format	Color
Hex	42EDF0
RGB	66, 237, 240
RGB Percent	26%, 93%, 94%
CMY	0.7411, 0.0706, 0.0588
CMYK	0.72, 0.01, 0.00, 0.06
HSL	181°, 85%, 60%
HSV	181°, 72%, 94%
XYZ	48.2591, 68.0179, 93.0233
YIQ	186.2130, -102.8790, -35.3190

Conversions

Conversions Part 2

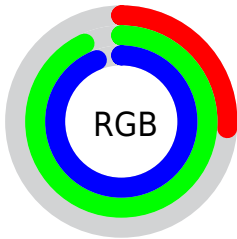
Format	Color
RYB	66, 152, 240
Decimal	4386288
CIELab	86.02, -40.83, -13.89
CIELCh	86, 43.131, 198.782
Yxy	68.0179, 0.2306, 0.3250
Android (android.graphics.Color)	4282576368 (0xFF42EDF0)
YUV	186.2130, 26.5170, -105.4268
Hunter-Lab	82.4730, -39.8783, -9.1436

Details

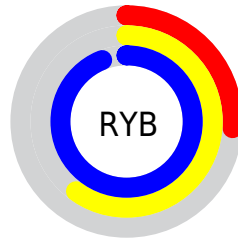
The XYZ color **48.2591, 68.0179, 93.0233** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **39.0481, 23.1764, 7.5715**, and the grayscale version is **46.6915, 49.1231, 53.4951**.

A 20% lighter version of the original color is **64.4575, 84.2290, 107.4683**, and **24.9730, 36.1032, 50.9998** is the 20% darker color. If you saturate the color by 10%, you get **46.8493, 67.1151, 92.9246**, and if you desaturate by 10%, it is **50.3511, 69.2758, 93.1571**.

Distribution



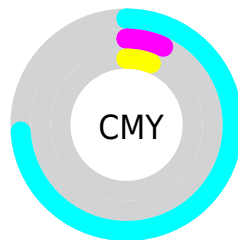
- Red (26%)
- Green (93%)
- Blue (94%)



- Red (26%)
- Yellow (60%)
- Blue (94%)



- Cyan (72%)
- Magenta (1%)
- Yellow (0%)
- Black (6%)





- Cyan (74%)
- Magenta (7%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.2591, 68.0179, 93.0233 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 48.2591, 68.0179, 93.0233 by changing the saturation by 10% instead.


 48.2591, 68.0179,
93.0233


 48.2591, 68.0179,
93.0233


370.3837,
453.5594, 558.6391


 34.2442, 49.9123,
69.9031


 86.7974, 116.3778,
153.5029


 23.2451, 35.3437,
50.9712


 112.0516,
147.4008, 191.6993

 14.8963, 23.9278,
35.8091


 141.7828,
183.4984, 235.7582

 8.8324, 15.2800,
23.9983

 176.3566,
225.0551, 286.0982

 4.6883, 9.0162,
15.1202

216.1382,
272.4551, 343.1377

 2.0984, 4.7517,
8.7562

261.4931,

 0.6884, 2.1023,

326.0829, 407.2953

4.4879

312.7864,
386.3229, 478.9896

■ 0.0000, 0.6659,
1.8966

■ 0.0000, 0.0000,
0.4906

■ 48.2591, 68.0179,
93.0233

■ 48.2591, 68.0179,
93.0233

■ 46.8493, 67.1151,
92.9246

■ 50.3511, 69.2758,
93.1571


■ 46.0244, 66.5126,
92.8518

■ 53.1946, 70.9201,
93.3246


■ 45.6853, 66.2052,
92.8103


■ 56.8573, 72.9870,
93.5305


■ 61.3976, 75.5068,
93.7776

 66.8685, 78.5068,
94.0683

 73.3189, 82.0121,
94.4049

 80.7944, 86.0463,
94.7896

 88.2204, 90.0554,
95.1720

 88.3425, 90.2995,
95.2127

Harmonies

Analogous

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



47.7265, 68.0179, 63.9587



48.2591, 68.0179, 93.0233



52.9066, 68.0179, 123.0664

Triad

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



48.2591, 68.0179, 93.0233



80.0406, 68.0179, 116.0726



68.4208, 68.0179, 32.4422

Complementary

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



48.2591, 68.0179, 93.0233



39.0481, 23.1764, 7.5715

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.



78.0117, 68.0179, 40.1722



48.2591, 68.0179, 93.0233



85.1621, 68.0179, 85.1724

Square

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



48.2591, 68.0179, 93.0233



70.9696, 68.0179, 138.5428



84.3839, 68.0179, 57.8666



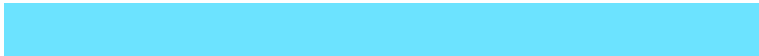
58.7152, 68.0179, 33.5271

Rectangle

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



48.2591, 68.0179, 93.0233



58.0056, 68.0179, 137.3439



84.3839, 68.0179, 57.8666



71.7812, 68.0179, 33.9962

Sweetspot

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



48.2612, 68.0204, 93.0249



77.0291, 90.2532, 107.9685



34.4795, 63.9083, 16.1341



16.0957, 19.1040, 23.0890



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.



48.2612, 68.0204, 93.0249



53.2346, 76.6510, 106.5971



28.8993, 29.2968, 86.5710



16.2227, 17.8795, 20.3177



25.0193, 36.2629, 50.8087



2.0888, 3.0316, 4.2293

Inverse Universe

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



53.1712, 28.5379, 82.8294



59.2286, 29.3323, 93.9534



48.7922, 42.6645, 10.8195



16.4418, 16.0264, 19.8829



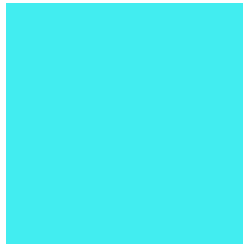
27.9542, 13.4541, 44.5370



2.3293, 1.1208, 3.7248

Previews

White Background



This preview shows how the XYZ color 48.2591, 68.0179, 93.0233 looks on a white background.

Color Contrast Check

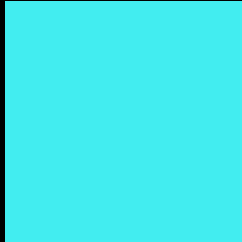
Large Text (above 18pt) WCAG AA × Fail

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 48.2591, 68.0179, 93.0233 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 48.2591, 68.0179, 93.0233

Background



This preview shows how black text looks on a background with the XYZ color 48.2591, 68.0179, 93.0233.

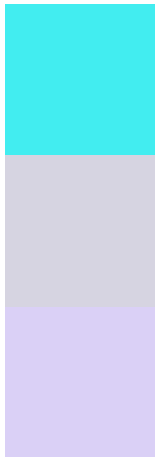


This preview shows how white text looks on a background with the XYZ color 48.2591, 68.0179,

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

48.2591, 68.0179, 93.0233

Protanopia

64.8656, 66.8194, 80.7128

Deuteranopia

68.1039, 66.6710, 96.4681



Tritanopia

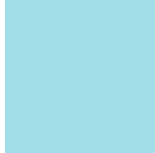
50.4994, 68.0683, 104.2428

Trichromacy



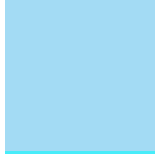
Original Color

48.2591, 68.0179, 93.0233



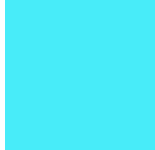
Protanomaly

54.6366, 64.8997, 84.5101



Deuteranomaly

56.7649, 64.9812, 95.1388



Tritanomaly

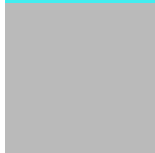
49.7668, 68.2082, 100.1650

Monochromacy



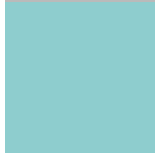
Original Color

48.2591, 68.0179, 93.0233



Achromatopsia

46.6715, 49.1021, 53.4722



Achromatomaly

44.1272, 53.8697, 66.4647

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.2591, 68.0179, 93.0233 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(66, 237, 240)` looks like.

```
.text, #text, p{  
    color:rgb(66, 237, 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(66, 237, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 237, 240) }
```

Border

The CSS property to change the border of an element to XYZ 48.2591, 68.0179, 93.0233 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(66, 237, 240) }
```


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

```
.border{ border-color:rgb(66, 237, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 237, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 237, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 237, 240);  
box-shadow:4px 4px 4px 4px rgb(66, 237,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 48.2591, 68.0179, 93.0233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 237, 240) }
```

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

```
.background{ background-color: rgb(66, 237,  
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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