

Converting Colors

XYZ(51.0668, 53.1706, 9.8335)

Have a look what the booklet for
XYZ(51.0668, 53.1706, 9.8335)
contains.

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Color

**XYZ(51.2668, 53.3926,
9.8893)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | E6BD2B |
| RGB | 230, 189, 43 |
| RGB Percent | 90%, 74%, 17% |
| CMY | 0.0980, 0.2588, 0.8313 |
| CMYK | 0.00, 0.18, 0.81, 0.10 |
| HSL | 47°, 79%, 54% |
| HSV | 47°, 81%, 90% |
| XYZ | 51.2668, 53.3926, 9.8893 |
| YIQ | 184.6150, 71.3020, -36.7140 |

Conversions

Conversions Part 2

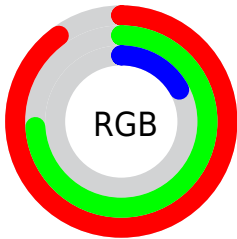
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 96, 230, 43 |
| Decimal | 15121707 |
| CIE Lab | 78.11, 1.38, 72.35 |
| CIE LCh | 78, 72.364, 88.909 |
| Yxy | 53.3926, 0.4476, 0.4661 |
| Android (android.graphics.Color) | 4293311787 (0xFFE6BD2B) |
| YUV | 184.6150, -69.8162, 39.8026 |
| Hunter-Lab | 73.0702, -2.6356, 43.1249 |

Details

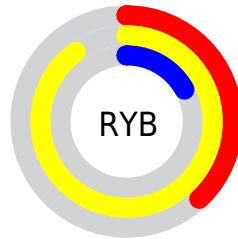
The XYZ color **51.2668, 53.3926, 9.8893** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed orange. A complement of this color would be **18.4497, 12.5675, 76.3158**, and the grayscale version is **46.2494, 48.6580, 52.9885**.

A 20% lighter version of the original color is **76.2907, 87.5241, 25.4433**, and **25.3817, 26.1544, 3.7105** is the 20% darker color. If you saturate the color by 10%, you get **49.8923, 51.1395, 7.9034**, and if you desaturate by 10%, it is **52.9190, 55.8214, 13.1408**.

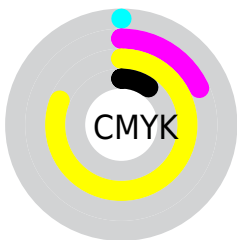
Distribution



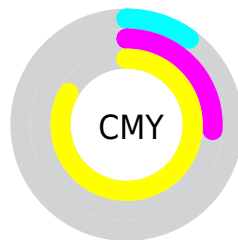
- Red (90%)
- Green (74%)
- Blue (17%)



- Red (38%)
- Yellow (90%)
- Blue (17%)



- Cyan (0%)
- Magenta (18%)
- Yellow (81%)
- Black (10%)





- Cyan (10%)
- Magenta (26%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.2668, 53.3926, 9.8893 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 51.2668, 53.3926, 9.8893 by changing the saturation by 10% instead.


 51.2668, 53.3926,
9.8893


 51.2668, 53.3926,
9.8893


381.9701,
399.7896, 200.3362


 36.6429, 38.1163,
5.2210


 91.2297, 95.1818,
26.1916


 25.1035, 26.0729,
2.3165


 117.2993,
122.4635, 38.6627

 16.2833, 16.8782,
0.7404


 147.9150,
154.5158, 54.5718

 9.8170, 10.1477,
0.0000

 183.4419,
191.7230, 74.3374

 5.3391, 5.4970,
0.0000

 224.2456,
234.4696, 98.3781

 2.4844, 2.5417,
0.0000

 270.6912,

 0.8874, 0.8975,

283.1400, 127.1125

0.0000

323.1443,
338.1185, 160.9590

■ 0.0000, 0.0000,
0.0000

■ 51.2668, 53.3926,
9.8893

■ 51.2668, 53.3926,
9.8893

■ 49.8923, 51.1395,
7.9034

■ 52.9190, 55.8214,
13.1408


■ 48.8691, 49.2953,
6.9393


■ 54.8806, 58.4327,
17.8388


■ 57.1823, 61.2417,
24.1382

■ 59.8499, 64.2590,
32.1729

■ 62.9065, 67.4947,
42.0629

 66.3732, 70.9576,
53.9175

 70.2694, 74.6561,
67.8372

 74.6133, 78.5980,
83.9160

 79.4219, 82.7907,
102.2419

Harmonies

Analogous

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



66.1052, 53.3926, 13.7263



51.2668, 53.3926, 9.8893



38.7179, 53.3926, 13.1684

Triad

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



51.2668, 53.3926, 9.8893



30.4921, 53.3926, 104.4288



77.7410, 53.3926, 108.2643

Complementary

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



51.2668, 53.3926, 9.8893



18.4497, 12.5675, 76.3158

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.



65.0429, 53.3926, 156.2713



51.2668, 53.3926, 9.8893



37.9751, 53.3926, 153.4264

Square

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



51.2668, 53.3926, 9.8893



28.1484, 53.3926, 56.6674



50.2328, 53.3926, 175.7403



83.0350, 53.3926, 59.6287

Rectangle

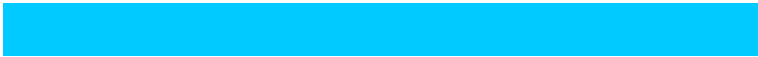
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



51.2668, 53.3926, 9.8893



32.9071, 53.3926, 20.5331



50.2328, 53.3926, 175.7403



74.0935, 53.3926, 125.7103

Sweetspot

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



51.2680, 53.3952, 9.8903



82.5835, 88.4027, 63.6321



35.2026, 19.2334, 10.7966



17.3388, 18.5854, 12.4639



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.



51.2680, 53.3952, 9.8903



61.9723, 62.6799, 8.9786



47.5866, 66.4872, 12.6114



15.3195, 16.2529, 15.2341



27.7611, 28.0964, 3.9600



2.1180, 2.2093, 0.3148

Inverse Universe

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



18.4497, 12.5675, 76.3158



19.7236, 10.4725, 95.5896



19.6482, 9.7618, 75.7111



13.8377, 14.3969, 18.1939



8.8160, 4.6942, 42.8246



0.7193, 0.4825, 3.1872

Previews

White Background



This preview shows how the XYZ color 51.2668, 53.3926, 9.8893 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 51.2668, 53.3926, 9.8893 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 51.2668, 53.3926, 9.8893

Background



This preview shows how black text looks on a background with the XYZ color 51.2668, 53.3926, 9.8893.



This preview shows how white text looks on a background with the XYZ color 51.2668, 53.3926,

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

51.2668, 53.3926, 9.8893

Protanopia

48.3617, 53.5171, 10.1638

Deuteranopia

54.3888, 53.1189, 9.9711



Tritanopia

60.7548, 53.2936, 55.7998

Trichromacy



Original Color

51.2668, 53.3926, 9.8893

Protanomaly

49.4285, 53.4107, 10.0870

Deuteranomaly

53.0825, 53.0645, 9.9274

Tritanomaly

55.6313, 52.6868, 30.9044

Monochromacy



Original Color

51.2668, 53.3926, 9.8893

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

45.8799, 49.2288, 29.2743

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.2668, 53.3926, 9.8893 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(230, 189, 43)` looks like.

```
.text, #text, p{  
    color:rgb(230, 189, 43)  
}
```

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(230, 189, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 189, 43) }
```

Border

The CSS property to change the border of an element to XYZ 51.2668, 53.3926, 9.8893 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(230, 189, 43) }
```


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

```
.border{ border-color:rgb(230, 189, 43) }
```

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

Here you see how a box with a 4 pixel rgb(230, 189, 43) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 189, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 189, 43);  
box-shadow:4px 4px 4px 4px rgb(230, 189,  
43) }
```

Background

The CSS property to change the background color of an element to XYZ 51.2668, 53.3926, 9.8893 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 189, 43) }
```

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

```
.background{ background-color: rgb(230,  
189, 43) }
```

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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