

Converting Colors

XYZ(51.1846, 56.1516, 9.4661)

Have a look what the booklet for
XYZ(51.1846, 56.1516, 9.4661)
contains.

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Color

**XYZ(50.9540, 55.8787,
9.3964)**

Conversions

Conversions Part 1

Format	Color
Hex	E0C51F
RGB	224, 197, 31
RGB Percent	88%, 77%, 12%
CMY	0.1216, 0.2274, 0.8784
CMYK	0.00, 0.12, 0.86, 0.12
HSL	52°, 76%, 50%
HSV	52°, 86%, 88%
XYZ	50.9540, 55.8787, 9.3964
YIQ	186.1490, 69.3780, -45.9020

Conversions

Conversions Part 2

Format	Color
RYB	62, 224, 31
Decimal	14730527
CIELab	79.54, -5.65, 76.35
CIELCh	80, 76.559, 94.234
Yxy	55.8787, 0.4384, 0.4808
Android (android.graphics.Color)	4292920607 (0xFFE0C51F)
YUV	186.1490, -76.4885, 33.1953
Hunter-Lab	74.7521, -9.1433, 44.8736

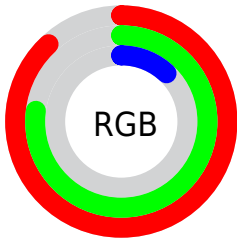
Details

The XYZ color **50.9540, 55.8787, 9.3964** is a light color, and the websafe version is hex **FFCC33**.

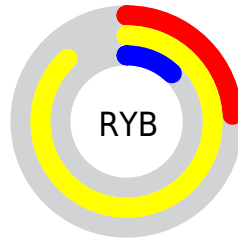
The color can be described as light washed yellow. A complement of this color would be **15.5329, 8.6996, 71.3809**, and the grayscale version is **47.1457, 49.6010, 54.0155**.

A 20% lighter version of the original color is **78.4766, 92.3551, 24.7565**, and **25.2831, 27.8390, 4.0409** is the 20% darker color. If you saturate the color by 10%, you get **50.0509, 54.3931, 8.1082**, and if you desaturate by 10%, it is **52.0788, 57.4810, 11.7678**.

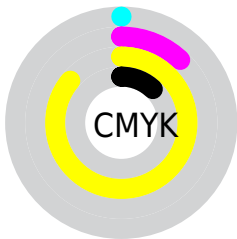
Distribution



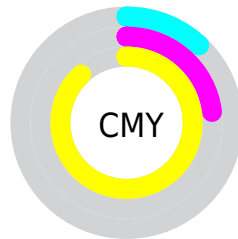
- Red (88%)
- Green (77%)
- Blue (12%)



- Red (24%)
- Yellow (88%)
- Blue (12%)



- Cyan (0%)
- Magenta (12%)
- Yellow (86%)
- Black (12%)





- Cyan (12%)
- Magenta (23%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.9540, 55.8787, 9.3964 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 50.9540, 55.8787, 9.3964 by changing the saturation by 10% instead.


 50.9540, 55.8787,
9.3964


 50.9540, 55.8787,
9.3964


380.7756,
409.2342, 196.6338

 36.3929, 40.1057,
4.9003


 90.7702, 98.8272,
25.2436


 24.9093, 27.6210,
2.1312


 116.7559,
126.7715, 37.4319


 16.1379, 18.0401,
0.6342


 147.2807,
159.5416, 53.0212

 9.7132, 10.9788,
0.0000

 182.7096,
197.5220, 72.4302

 5.2700, 6.0526,
0.0000

 223.4083,
241.0971, 96.0775

 2.4429, 2.8771,
0.0000

 269.7419,

 0.8666, 1.0679,

290.6512, 124.3814

0.0000

322.0759,
346.5688, 157.7607

■ 0.0000, 0.0000,
0.0000

■ 50.9540, 55.8787,
9.3964

■ 50.9540, 55.8787,
9.3964

■ 50.0509, 54.3931,
8.1082

■ 52.0788, 57.4810,
11.7678

■ 49.7370, 53.8408,
7.7709

■ 53.4583, 59.2068,
15.4132

■ 55.1236, 61.0709,
20.4896

■ 57.1002, 63.0835,
27.1305

■ 59.4104, 65.2538,
35.4540

■ 62.0747, 67.5901,
45.5671

■ 65.1118, 70.1000,
57.5677

■ 68.5390, 72.7906,
71.5466

■ 72.3725, 75.6684,
87.5888

Harmonies

Analogous

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



67.0552, 55.8787, 11.9608



50.9540, 55.8787, 9.3964



38.1295, 55.8787, 14.2057

Triad

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



50.9540, 55.8787, 9.3964



32.1937, 55.8787, 122.1303



84.5012, 55.8787, 105.6686

Complementary

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



50.9540, 55.8787, 9.3964



15.5329, 8.6996, 71.3809

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.



71.5780, 55.8787, 161.3730



50.9540, 55.8787, 9.3964



41.2478, 55.8787, 173.6737

Square

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



50.9540, 55.8787, 9.3964



28.7098, 55.8787, 67.3229



55.3281, 55.8787, 190.7075



88.4649, 55.8787, 54.7917

Rectangle

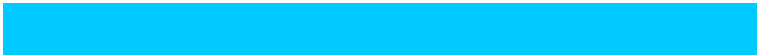
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



50.9540, 55.8787, 9.3964



32.5201, 55.8787, 23.5101



55.3281, 55.8787, 190.7075



80.9527, 55.8787, 125.1103

Sweetspot

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



50.9553, 55.8814, 9.3975



83.2655, 90.6665, 61.0854



32.0449, 17.1534, 5.8911



17.5435, 19.1668, 12.0020



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.



50.9553, 55.8814, 9.3975



66.6587, 72.0974, 10.4029



40.7009, 60.5230, 10.8339



14.6998, 15.6855, 14.5596



29.0146, 31.4672, 4.5445



2.0567, 2.2722, 0.3302

Inverse Universe

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



15.5329, 8.6996, 71.3809



18.6708, 8.4616, 95.2569



19.0418, 8.9899, 71.2520



13.1059, 13.5509, 17.3125



8.1709, 3.8113, 41.3534



0.6164, 0.3642, 2.8831

Previews

White Background



This preview shows how the XYZ color 50.9540, 55.8787, 9.3964 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 50.9540, 55.8787, 9.3964 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 50.9540, 55.8787, 9.3964

Background



This preview shows how black text looks on a background with the XYZ color 50.9540, 55.8787, 9.3964.



This preview shows how white text looks on a background with the XYZ color 50.9540, 55.8787,

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

50.9540, 55.8787, 9.3964

Protanopia

50.5656, 56.0167, 9.4435

Deuteranopia

57.1871, 55.8203, 9.5940



Tritanopia

61.2725, 55.5604, 60.3181

Trichromacy



Original Color

50.9540, 55.8787, 9.3964

Protanomaly

50.8728, 56.1751, 9.4579

Deuteranomaly

54.8694, 55.9082, 9.4895

Tritanomaly

55.4536, 54.7615, 31.3142

Monochromacy



Original Color

50.9540, 55.8787, 9.3964

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

46.2621, 50.7180, 28.4704

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.9540, 55.8787, 9.3964 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(224, 197, 31)` looks like.

```
.text, #text, p{  
    color:rgb(224, 197, 31)  
}
```

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(224, 197, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 197, 31) }
```

Border

The CSS property to change the border of an element to XYZ 50.9540, 55.8787, 9.3964 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(224, 197, 31) }
```


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

```
.border{ border-color:rgb(224, 197, 31) }
```

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

Here you see how a box with a 4 pixel rgb(224, 197, 31) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 197, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 197, 31);  
box-shadow:4px 4px 4px 4px rgb(224, 197,  
31) }
```

Background

The CSS property to change the background color of an element to XYZ 50.9540, 55.8787, 9.3964 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 197, 31) }
```

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

```
.background{ background-color: rgb(224,  
197, 31) }
```

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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