

Converting Colors

XYZ(48.3477, 57.4245, 17.1331)

Have a look what the booklet for
XYZ(48.3477, 57.4245, 17.1331)
contains.

XYZ(48.3396, 57.4950, 17.1442)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(48.3396, 57.4950,
17.1442)**

Conversions

Conversions Part 1

Format	Color
Hex	CBCE55
RGB	203, 206, 85
RGB Percent	80%, 81%, 33%
CMY	0.2039, 0.1921, 0.6667
CMYK	0.01, 0.00, 0.59, 0.19
HSL	61°, 55%, 57%
HSV	61°, 59%, 81%
XYZ	48.3396, 57.4950, 17.1442
YIQ	191.3090, 37.0530, -38.2670

Conversions

Conversions Part 2

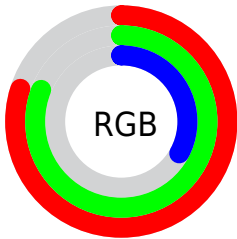
Format	Color
R _Y B	85, 206, 88
Decimal	13356629
CIE Lab	80.46, -16.65, 58.31
CIE LCh	80, 60.640, 105.941
Yxy	57.4950, 0.3931, 0.4675
Android (android.graphics.Color)	4291546709 (0xFFCBCE55)
YUV	191.3090, -52.4103, 10.2530
Hunter-Lab	75.8255, -18.8988, 39.6723

Details

The XYZ color **48.3396, 57.4950, 17.1442** is a light color, and the websafe version is hex **CCCC66**. The color can be described as light muted yellow. A complement of this color would be **18.4154, 13.0292, 59.9403**, and the grayscale version is **49.9819, 52.5848, 57.2649**.

A 20% lighter version of the original color is **81.6602, 94.6441, 38.3903**, and **23.2919, 28.6513, 5.4013** is the 20% darker color. If you saturate the color by 10%, you get **47.4989, 57.1448, 13.4374**, and if you desaturate by 10%, it is **49.4217, 57.9461, 22.1079**.

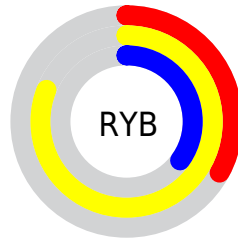
Distribution



Red (80%)

Green (81%)

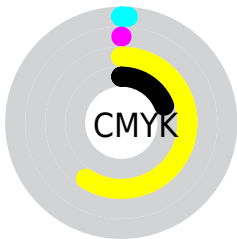
Blue (33%)



Red (33%)

Yellow (81%)

Blue (35%)

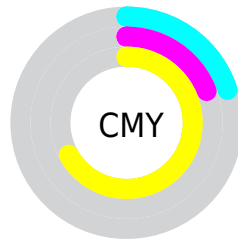


Cyan (1%)

Magenta (0%)

Yellow (59%)

Black (19%)



Cyan (20%)

Magenta (19%)

Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.3396, 57.4950, 17.1442 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 48.3396, 57.4950, 17.1442 by changing the saturation by 10% instead.

■ 48.3396, 57.4950,
17.1442

■ 48.3396, 57.4950,
17.1442

370.6969,
415.3016, 248.0740

■ 34.3083, 41.4028,
10.1743

■ 86.9165, 101.1871,
39.3676

■ 23.2945, 28.6340,
5.4076

■ 112.1927,
129.5558, 55.4582

■ 14.9330, 18.8041,
2.4254

■ 141.9480,
162.7854, 75.4260

■ 8.8584, 11.5288,
0.8002

■ 176.5476,
201.2604, 99.6898

■ 4.7053, 6.4237,
0.0000

216.3569,
245.3651, 128.6679

■ 2.1084, 3.1044,
0.0000

261.7413,

■ 0.6938, 1.1865,

295.4839, 162.7790

0.0000

313.0662,
352.0013, 202.4415

■ 0.0000, 0.0506,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 48.3396, 57.4950,
17.1442

■ 48.3396, 57.4950,
17.1442

■ 47.4989, 57.1448,
13.4374

■ 49.4217, 57.9461,
22.1079

■ 46.8742, 56.8788,
10.8716


■ 50.7599, 58.4975,
28.4238


■ 46.4417, 56.6899,
9.3158

■ 52.3725, 59.1588,
36.1822


■ 46.1615, 56.5619,
8.5593


■ 54.2750, 59.9361,
45.4644


 46.1299, 56.5472,
8.4834

 56.4816, 60.8351,
56.3460

 59.0057, 61.8611,
68.8972

 61.8599, 63.0193,
83.1842

 65.0562, 64.3142,
99.2698

 66.0242, 64.7180,
103.6197

Harmonies

Analogous

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



60.6639, 57.4950, 16.8998



48.3396, 57.4950, 17.1442



39.2022, 57.4950, 26.0361

Triad

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



48.3396, 57.4950, 17.1442



39.6491, 57.4950, 125.8347



81.2786, 57.4950, 80.7539

Complementary

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



48.3396, 57.4950, 17.1442



18.4154, 13.0292, 59.9403

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.



73.6944, 57.4950, 123.3177



48.3396, 57.4950, 17.1442



49.0423, 57.4950, 155.2969

Square

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



48.3396, 57.4950, 17.1442



34.7294, 57.4950, 83.3568



61.4811, 57.4950, 154.2322



81.0139, 57.4950, 45.6149

Rectangle

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



48.3396, 57.4950, 17.1442



35.5922, 57.4950, 38.6293



61.4811, 57.4950, 154.2322



79.5181, 57.4950, 94.8749

Sweetspot

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



48.3410, 57.4977, 17.1454



88.1028, 97.1728, 74.4992



30.5048, 20.5982, 10.9631



18.6509, 20.7146, 14.9328



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.



48.3410, 57.4977, 17.1454



76.7093, 92.4774, 20.7359



35.1248, 50.6845, 16.5269



12.1252, 13.0820, 11.9654



28.4165, 34.8246, 5.2241



1.4749, 1.8012, 0.2699

Inverse Universe

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



18.4154, 13.0292, 59.9403



24.0567, 14.2045, 96.0816



26.5163, 17.2054, 60.3194



10.6271, 10.8571, 14.1059



6.9116, 2.7706, 36.1268



0.3658, 0.1477, 1.8642

Previews

White Background



This preview shows how the XYZ color 48.3396, 57.4950, 17.1442 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 48.3396, 57.4950, 17.1442 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

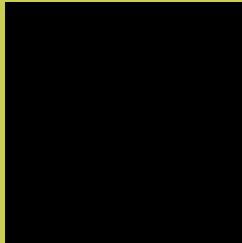
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.3396, 57.4950, 17.1442

Background



This preview shows how black text looks on a background with the XYZ color 48.3396, 57.4950, 17.1442.



This preview shows how white text looks on a background with the XYZ color 48.3396, 57.4950,

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

48.3396, 57.4950, 17.1442

Protanopia

52.3398, 57.4627, 16.5164

Deuteranopia

58.6167, 57.3393, 17.6510



Tritanopia

58.4795, 57.1411, 67.6216

Trichromacy



Original Color

48.3396, 57.4950, 17.1442

Protanomaly

50.7451, 57.3282, 16.7784

Deuteranomaly

54.4564, 57.1734, 17.3979

Tritanomaly

53.6689, 56.8814, 42.8009

Monochromacy



Original Color

48.3396, 57.4950, 17.1442

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

47.9131, 53.3490, 37.4779

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.3396, 57.4950, 17.1442 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(203, 206, 85)` looks like.

```
.text, #text, p{  
    color:rgb(203, 206, 85)  
}
```

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(203, 206, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 206, 85) }
```

Border

The CSS property to change the border of an element to XYZ 48.3396, 57.4950, 17.1442 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(203, 206, 85) }
```


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

```
.border{ border-color:rgb(203, 206, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 206, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 206, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 206, 85);  
box-shadow:4px 4px 4px 4px rgb(203, 206,  
85) }
```

Background

The CSS property to change the background color of an element to XYZ 48.3396, 57.4950, 17.1442 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 206, 85) }
```

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

```
.background{ background-color: rgb(203,  
206, 85) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor