

Converting Colors

XYZ(49.0766, 57.1966, 20.1529)

Have a look what the booklet for
XYZ(49.0766, 57.1966, 20.1529)
contains.

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Color

**XYZ(49.0218, 57.0657,
20.2354)**

Conversions

Conversions Part 1

Format	Color
Hex	CDCC63
RGB	205, 204, 99
RGB Percent	80%, 80%, 39%
CMY	0.1961, 0.2000, 0.6118
CMYK	0.00, 0.00, 0.52, 0.20
HSL	59°, 51%, 60%
HSV	59°, 52%, 80%
XYZ	49.0218, 57.0657, 20.2354
YIQ	192.3290, 34.3010, -32.4430

Conversions

Conversions Part 2

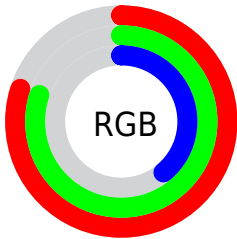
Format	Color
RYB	100, 205, 99
Decimal	13487203
CIELab	80.22, -13.75, 51.76
CIELCh	80, 53.552, 104.876
Yxy	57.0657, 0.3881, 0.4517
Android (android.graphics.Color)	4291677283 (0xFFCDCC63)
YUV	192.3290, -46.0112, 11.1125
Hunter-Lab	75.5418, -16.3632, 36.9973

Details

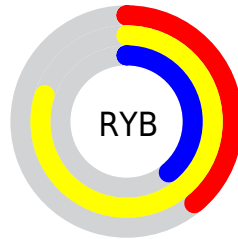
The XYZ color **49.0218, 57.0657, 20.2354** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **20.7222, 16.1743, 59.7871**, and the grayscale version is **50.5432, 53.1753, 57.9079**.

A 20% lighter version of the original color is **82.6675, 95.0470, 43.6946**, and **23.6322, 28.3138, 6.9089** is the 20% darker color. If you saturate the color by 10%, you get **48.1185, 56.6334, 15.6978**, and if you desaturate by 10%, it is **50.1767, 57.6029, 26.0854**.

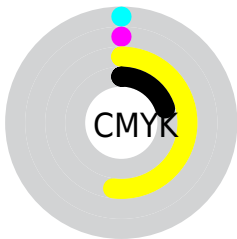
Distribution



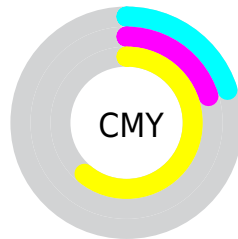
- Red (80%)
- Green (80%)
- Blue (39%)



- Red (39%)
- Yellow (80%)
- Blue (39%)



- Cyan (0%)
- Magenta (0%)
- Yellow (52%)
- Black (20%)



- Cyan (20%)
- Magenta (20%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.0218, 57.0657, 20.2354 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 49.0218, 57.0657, 20.2354 by changing the saturation by 10% instead.

■ 49.0218, 57.0657,
20.2354

■ 49.0218, 57.0657,
20.2354

373.3437,
413.6955, 265.8329

■ 34.8514, 41.0580,
12.3805

■ 87.9244, 100.5610,
44.6756

■ 23.7144, 28.3644,
6.8777

■ 113.3872,
128.8175, 62.0981

■ 15.2455, 18.6005,
3.3084

■ 143.3449,
161.9256, 83.5468

■ 9.0793, 11.3820,
1.2542

■ 178.1628,
200.2698, 109.4402

■ 4.8505, 6.3244,
0.0238

218.2063,
244.2345, 140.1970

■ 2.1936, 3.0433,
0.0000

263.8407,

■ 0.7394, 1.1544,

294.2041, 176.2357

0.0000

315.4314,
350.5629, 217.9748

■ 0.0000, 0.0240,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 49.0218, 57.0657,
20.2354

■ 49.0218, 57.0657,
20.2354

■ 48.1185, 56.6334,
15.6978

■ 50.1767, 57.6029,
26.0854

■ 47.4434, 56.2904,
12.3680


■ 51.5962, 58.2440,
33.3348


■ 46.9759, 56.0305,
10.1310


■ 53.2975, 58.9978,
42.0674


■ 46.6897, 55.8432,
8.8484


■ 55.2949, 59.8702,
52.3592


 46.5508, 55.7273,
8.3030

 57.6020, 60.8666,
64.2813

 60.2313, 61.9919,
77.9002

 63.1948, 63.2510,
93.2786

 65.1883, 64.1222,
103.5488

 65.2345, 64.2146,
103.5642

Harmonies

Analogous

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



59.9078, 57.0657, 20.2672



49.0218, 57.0657, 20.2354



40.7239, 57.0657, 28.5043

Triad

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



49.0218, 57.0657, 20.2354



40.6710, 57.0657, 114.9974



77.1560, 57.0657, 79.1937

Complementary

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



49.0218, 57.0657, 20.2354



20.7222, 16.1743, 59.7871

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.



70.4559, 57.0657, 115.2742



49.0218, 57.0657, 20.2354



48.9400, 57.0657, 140.2081

Square

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



49.0218, 57.0657, 20.2354



36.3613, 57.0657, 78.8994



59.8143, 57.0657, 140.3236



77.1857, 57.0657, 47.9310

Rectangle

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



49.0218, 57.0657, 20.2354



37.3533, 57.0657, 39.9283



59.8143, 57.0657, 140.3236



75.5732, 57.0657, 91.3446

Sweetspot

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



49.0232, 57.0683, 20.2366



89.0412, 97.4014, 77.8597



31.9765, 22.8384, 14.9757



18.9137, 20.7846, 15.9194



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.



49.0232, 57.0683, 20.2366



78.6818, 92.6988, 25.0305



37.3658, 51.4106, 19.7589



12.1445, 13.0779, 11.9636



28.9840, 34.7010, 5.1703



1.4982, 1.7961, 0.2677

Inverse Universe

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



20.7222, 16.1743, 59.7871



27.3727, 18.5631, 96.7481



28.1024, 19.8383, 60.1054



10.6101, 10.8606, 14.1075



6.8769, 2.7778, 36.1300



0.3578, 0.1493, 1.8649

Previews

White Background



This preview shows how the XYZ color 49.0218, 57.0657, 20.2354 looks on a white background.

Color Contrast Check

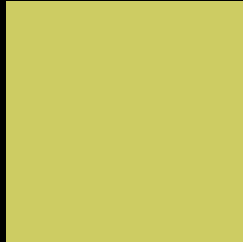
Large Text (above 18pt) WCAG AA × Fail

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 49.0218, 57.0657, 20.2354 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

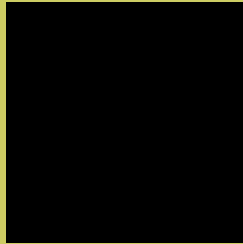
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.0218, 57.0657, 20.2354

Background



This preview shows how black text looks on a background with the XYZ color 49.0218, 57.0657, 20.2354.



This preview shows how white text looks on a background with the XYZ color 49.0218, 57.0657,

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

49.0218, 57.0657, 20.2354

Protanopia

52.0963, 56.9256, 19.5512

Deuteranopia

57.9540, 56.6076, 20.7038



Tritanopia

58.4310, 56.8032, 66.9160

Trichromacy



Original Color

49.0218, 57.0657, 20.2354

Protanomaly

51.1156, 57.1022, 19.8830

Deuteranomaly

54.3232, 56.3659, 20.5869

Tritanomaly

53.9592, 56.3041, 45.0696

Monochromacy



Original Color

49.0218, 57.0657, 20.2354

Achromatopsia

50.1023, 52.7115, 57.4028

Achromatomaly

48.9374, 53.8188, 40.1565

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.0218, 57.0657, 20.2354 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(205, 204, 99)` looks like.

```
.text, #text, p{  
    color:rgb(205, 204, 99)  
}
```

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(205, 204, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 204, 99) }
```

Border

The CSS property to change the border of an element to XYZ 49.0218, 57.0657, 20.2354 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(205, 204, 99) }
```


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

```
.border{ border-color:rgb(205, 204, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 204, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 204, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 204, 99);  
box-shadow:4px 4px 4px 4px rgb(205, 204,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 49.0218, 57.0657, 20.2354 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 204, 99) }
```

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

```
.background{ background-color: rgb(205,  
204, 99) }
```

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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