

Converting Colors

XYZ(48.5679, 54.7616, 15.2765)

Have a look what the booklet for
XYZ(48.5679, 54.7616, 15.2765)
contains.

XYZ(48.7206, 54.9353, 15.2434)	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(48.7206, 54.9353,
15.2434)**

Conversions

Conversions Part 1

Format	Color
Hex	D4C64E
RGB	212, 198, 78
RGB Percent	83%, 78%, 31%
CMY	0.1686, 0.2235, 0.6941
CMYK	0.00, 0.07, 0.63, 0.17
HSL	54°, 61%, 57%
HSV	54°, 63%, 83%
XYZ	48.7206, 54.9353, 15.2434
YIQ	188.5060, 46.8640, -34.3520

Conversions

Conversions Part 2

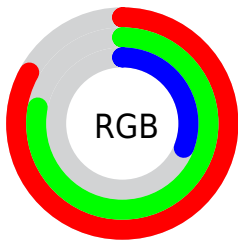
Format	Color
RYB	94, 212, 78
Decimal	13944398
CIELab	79.00, -9.35, 59.95
CIELCh	79, 60.675, 98.860
Yxy	54.9353, 0.4098, 0.4620
Android (android.graphics.Color)	4292134478 (0xFFD4C64E)
YUV	188.5060, -54.4795, 20.6042
Hunter-Lab	74.1184, -12.3728, 39.6891

Details

The XYZ color **48.7206, 54.9353, 15.2434** 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 **18.8526, 14.0271, 64.0008**, and the grayscale version is **48.3712, 50.8903, 55.4195**.

A 20% lighter version of the original color is **80.8467, 93.8096, 35.6758**, and **23.4089, 26.8602, 4.5230** is the 20% darker color. If you saturate the color by 10%, you get **47.5778, 53.6764, 11.6982**, and if you desaturate by 10%, it is **50.1183, 56.3121, 20.0832**.

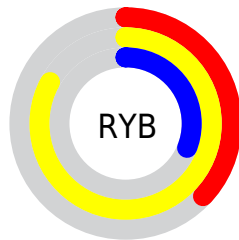
Distribution



Red (83%)

Green (78%)

Blue (31%)



Red (37%)

Yellow (83%)

Blue (31%)

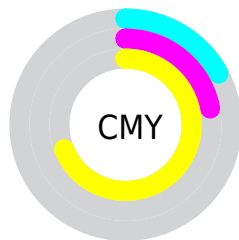


Cyan (0%)

Magenta (7%)

Yellow (63%)

Black (17%)



Cyan (17%)

Magenta (22%)

Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.7206, 54.9353, 15.2434 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 48.7206, 54.9353, 15.2434 by changing the saturation by 10% instead.

■ 48.7206, 54.9353,
15.2434

■ 48.7206, 54.9353,
15.2434

372.1766,
405.6666, 236.5261

■ 34.6115, 39.3499,
8.8419

■ 87.4796, 97.4462,
36.0279

■ 23.5289, 27.0321,
4.5428

■ 112.8602,
125.1404, 51.2480

■ 15.1074, 17.5973,
1.9276

■ 142.7286,
157.6398, 70.2447

■ 8.9816, 10.6613,
0.5102

■ 177.4503,
195.3286, 93.4365

■ 4.7862, 5.8395,
0.0000

■ 217.3906,
238.5913, 121.2421

■ 2.1558, 2.7478,
0.0000

262.9148,

■ 0.7193, 1.0015,

287.8123, 154.0798

0.0000

314.3884,
343.3759, 192.3683

■ 0.0000, 0.0000,
0.0000

■ 48.7206, 54.9353,
15.2434

■ 48.7206, 54.9353,
15.2434

■ 47.5778, 53.6764,
11.6982

■ 50.1183, 56.3121,
20.0832

■ 46.6616, 52.5178,
9.3151

■ 51.7884, 57.8077,
26.3264

■ 45.9435, 51.4503,
7.9394

■ 53.7511, 59.4323,
34.0739

■ 45.5343, 50.7631,
7.3983

■ 56.0238, 61.1929,
43.4166

■ 58.6223, 63.0959,
54.4381

■ 61.5615, 65.1471,
67.2162

■ 64.8552, 67.3524,
81.8238

■ 68.5165, 69.7168,
98.3298

■ 70.2549, 71.3243,
104.6719

Harmonies

Analogous

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



61.0401, 54.9353, 16.7710



48.7206, 54.9353, 15.2434



38.9641, 54.9353, 21.5501

Triad

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



48.7206, 54.9353, 15.2434



36.1466, 54.9353, 111.9631



76.9912, 54.9353, 87.1326

Complementary

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



48.7206, 54.9353, 15.2434



18.8526, 14.0271, 64.0008

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.



68.1721, 54.9353, 127.9389



48.7206, 54.9353, 15.2434



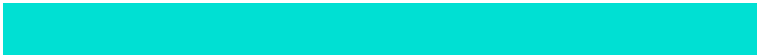
44.2832, 54.9353, 145.6979

Square

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



48.7206, 54.9353, 15.2434



32.4754, 54.9353, 70.6481



55.8713, 54.9353, 152.4623



78.6680, 54.9353, 50.1505

Rectangle

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



48.7206, 54.9353, 15.2434



34.7620, 54.9353, 31.6055



55.8713, 54.9353, 152.4623



74.7052, 54.9353, 101.1938

Sweetspot

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



48.7219, 54.9379, 15.2445



86.6146, 94.0771, 72.3371



31.8799, 20.2479, 12.7323



18.3025, 19.9609, 14.4868



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.



48.7219, 54.9379, 15.2445



71.7276, 80.8789, 16.2739



39.5429, 55.1759, 15.7742



13.3569, 14.2880, 13.2146



28.1544, 31.4260, 4.5819



1.7307, 1.9606, 0.2872

Inverse Universe

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



18.8526, 14.0271, 64.0008



22.9620, 14.1688, 96.1324



23.7176, 14.8987, 63.9127



11.8459, 12.2153, 15.6710



7.5502, 3.3621, 38.7042



0.4916, 0.2753, 2.3465

Previews

White Background



This preview shows how the XYZ color 48.7206, 54.9353, 15.2434 looks on a white background.

Color Contrast Check

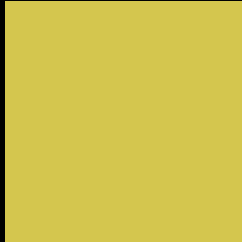
Large Text (above 18pt) WCAG AA × Fail

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 48.7206, 54.9353, 15.2434 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 48.7206, 54.9353, 15.2434

Background



This preview shows how black text looks on a background with the XYZ color 48.7206, 54.9353, 15.2434.



This preview shows how white text looks on a background with the XYZ color 48.7206, 54.9353,

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

48.7206, 54.9353, 15.2434

Protanopia

49.9929, 54.9211, 14.9871

Deuteranopia

56.0440, 54.7817, 15.6027



Tritanopia

58.4157, 54.9759, 62.1762

Trichromacy



Original Color

48.7206, 54.9353, 15.2434

Protanomaly

49.6247, 55.0673, 15.0347

Deuteranomaly

53.1774, 54.5768, 15.5162

Tritanomaly

53.6276, 54.2873, 39.1045

Monochromacy



Original Color

48.7206, 54.9353, 15.2434

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

47.3004, 51.7395, 35.9275

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.7206, 54.9353, 15.2434 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(212, 198, 78)` looks like.

```
.text, #text, p{  
    color:rgb(212, 198, 78)  
}
```

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(212, 198, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 198, 78) }
```

Border

The CSS property to change the border of an element to XYZ 48.7206, 54.9353, 15.2434 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(212, 198, 78) }
```


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

```
.border{ border-color:rgb(212, 198, 78) }
```

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

Here you see how a box with a 4 pixel rgb(212, 198, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 198, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 198, 78);  
box-shadow:4px 4px 4px 4px rgb(212, 198,  
78) }
```

Background

The CSS property to change the background color of an element to XYZ 48.7206, 54.9353, 15.2434 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 198, 78) }
```

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

```
.background{ background-color: rgb(212,  
198, 78) }
```

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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