

Converting Colors

XYZ(48.7085, 43.8652, 13.1079)

Have a look what the booklet for
XYZ(48.7085, 43.8652, 13.1079)
contains.

XYZ(48.7121, 43.8727, 13.1086)	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(48.7121, 43.8727,
13.1086)**

Conversions

Conversions Part 1

Format	Color
Hex	ECA14E
RGB	236, 161, 78
RGB Percent	93%, 63%, 31%
CMY	0.0745, 0.3686, 0.6941
CMYK	0.00, 0.32, 0.67, 0.07
HSL	32°, 81%, 62%
HSV	32°, 67%, 93%
XYZ	48.7121, 43.8727, 13.1086
YIQ	173.9630, 71.3430, -9.9130

Conversions

Conversions Part 2

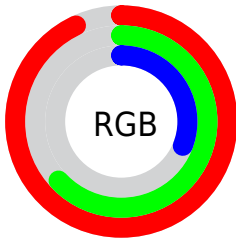
Format	Color
R _Y B	221, 236, 78
Decimal	15507790
CIE Lab	72.14, 20.20, 53.22
CIE LCh	72, 56.922, 69.211
Yxy	43.8727, 0.4609, 0.4151
Android (android.graphics.Color)	4293697870 (0xFFECA14E)
YUV	173.9630, -47.3098, 54.4064
Hunter-Lab	66.2365, 15.3599, 34.6317

Details

The XYZ color **48.7121, 43.8727, 13.1086** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **29.6727, 30.4568, 83.6712**, and the grayscale version is **40.4239, 42.5291, 46.3142**.

A 20% lighter version of the original color is **69.8251, 71.9834, 31.3331**, and **23.5486, 20.2376, 3.5848** is the 20% darker color. If you saturate the color by 10%, you get **46.1425, 39.8534, 8.8003**, and if you desaturate by 10%, it is **51.7626, 48.3686, 19.0751**.

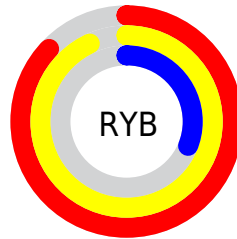
Distribution



Red (93%)

Green (63%)

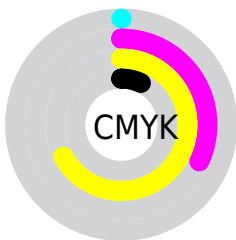
Blue (31%)



Red (87%)

Yellow (93%)

Blue (31%)

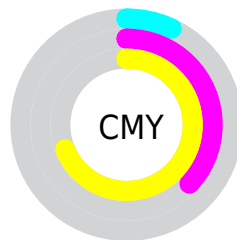


Cyan (0%)

Magenta (32%)

Yellow (67%)

Black (7%)



Cyan (7%)


Magenta (37%)


Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.7121, 43.8727, 13.1086 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 48.7121, 43.8727, 13.1086 by changing the saturation by 10% instead.


 48.7121, 43.8727,
13.1086

 48.7121, 43.8727,
13.1086


372.1436,
362.1885, 222.8447


 34.6047, 30.5704,
7.3718


 87.4670, 81.0262,
32.1928

 23.5237, 20.2720,
3.6137


 112.8453,
105.6461, 46.3772


 15.1035, 12.5929,
1.4159


 142.7112,
134.8075, 64.2146

 8.9788, 7.1488,
0.1541

 177.4302,
168.8946, 86.1235

 4.7844, 3.5553,
0.0000

 217.3676,
208.2919, 112.5224

 2.1548, 1.4281,
0.0000

262.8887,

 0.7187, 0.2373,

253.3837, 143.8299

0.0000

314.3589,
304.5544, 180.4645

■ 0.0000, 0.0000,
0.0000

■ 48.7121, 43.8727,
13.1086

■ 48.7121, 43.8727,
13.1086

■ 46.1425, 39.8534,
8.8003

■ 51.7626, 48.3686,
19.0751

■ 44.0119, 36.2812,
5.9660

■ 55.3246, 53.3549,
26.8525


■ 42.2727, 33.1313,
4.3738


■ 59.4291, 58.8527,
36.5785


■ 41.7974, 32.2438,
4.0207


■ 64.1033, 64.8795,
48.3769

■ 69.3726, 71.4517,
62.3610

 75.2604, 78.5850,
78.6359

 81.7891, 86.2941,
97.2997

 87.0203, 93.8097,
108.1284

 88.4019, 96.5728,
108.5889

Harmonies

Analogous

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



57.9731, 43.8727, 21.2372



48.7121, 43.8727, 13.1086



38.7710, 43.8727, 11.9603

Triad

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



48.7121, 43.8727, 13.1086



25.8000, 43.8727, 56.8871



54.7059, 43.8727, 102.5986

Complementary

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



48.7121, 43.8727, 13.1086



29.6727, 30.4568, 83.6712

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.



44.7722, 43.8727, 122.7597



48.7121, 43.8727, 13.1086



28.7980, 43.8727, 90.3724

Square

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



48.7121, 43.8727, 13.1086



26.5171, 43.8727, 31.1385



35.3948, 43.8727, 117.5760



61.7909, 43.8727, 69.4669

Rectangle

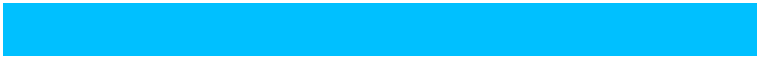
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



48.7121, 43.8727, 13.1086



33.2054, 43.8727, 14.5662



35.3948, 43.8727, 117.5760



51.5316, 43.8727, 111.6073

Sweetspot

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



48.7131, 43.8749, 13.1094



80.6571, 82.6557, 68.8298



43.1798, 25.6272, 33.4033



16.8825, 17.2166, 13.7182



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.



48.7131, 43.8749, 13.1094



54.0938, 46.0115, 9.1620



65.0944, 77.9259, 18.8186



15.7204, 16.3638, 15.8487



23.1704, 18.0350, 2.2599



1.9157, 1.6087, 0.2095

Inverse Universe

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



29.6727, 30.4568, 83.6712



29.9782, 29.0497, 98.6349



21.2270, 13.2385, 80.7929



14.8209, 15.7282, 19.1770



11.6682, 9.9834, 45.0550



1.0120, 0.9754, 3.5698

Previews

White Background



This preview shows how the XYZ color 48.7121, 43.8727, 13.1086 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 48.7121, 43.8727, 13.1086 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

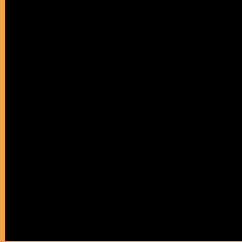
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.7121, 43.8727, 13.1086

Background



This preview shows how black text looks on a background with the XYZ color 48.7121, 43.8727, 13.1086.



This preview shows how white text looks on a background with the XYZ color 48.7121, 43.8727,

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

48.7121, 43.8727, 13.1086

Protanopia

40.0484, 43.8046, 14.5280

Deuteranopia

45.0077, 44.1134, 12.9801



Tritanopia

54.4570, 43.9781, 40.2687

Trichromacy



Original Color

48.7121, 43.8727, 13.1086

Protanomaly

42.9121, 43.5688, 13.9325

Deuteranomaly

46.3398, 43.9770, 13.0672

Tritanomaly

51.8214, 43.6339, 27.5207

Monochromacy



Original Color

48.7121, 43.8727, 13.1086

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

41.8741, 42.1103, 30.3472

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.7121, 43.8727, 13.1086 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(236, 161, 78)` looks like.

```
.text, #text, p{  
    color:rgb(236, 161, 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(236, 161, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 161, 78) }
```

Border

The CSS property to change the border of an element to XYZ 48.7121, 43.8727, 13.1086 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(236, 161, 78) }
```


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

```
.border{ border-color:rgb(236, 161, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 161, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 161, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 161, 78);  
box-shadow:4px 4px 4px 4px rgb(236, 161,  
78) }
```

Background

The CSS property to change the background color of an element to XYZ 48.7121, 43.8727, 13.1086 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 161, 78) }
```

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

```
.background{ background-color: rgb(236,  
161, 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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