

Converting Colors

XYZ(48.0771, 50.0665, 8.2709)

Have a look what the booklet for
XYZ(48.0771, 50.0665, 8.2709)
contains.

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Color

**XYZ(48.1027, 50.2170,
8.3200)**

Conversions

Conversions Part 1

Format	Color
Hex	E0B81D
RGB	224, 184, 29
RGB Percent	88%, 72%, 11%
CMY	0.1216, 0.2784, 0.8862
CMYK	0.00, 0.18, 0.87, 0.12
HSL	48°, 77%, 50%
HSV	48°, 87%, 88%
XYZ	48.1027, 50.2170, 8.3200
YIQ	178.2900, 73.5950, -39.7250

Conversions

Conversions Part 2

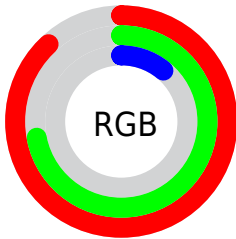
Format	Color
R _Y B	79, 224, 29
Decimal	14727197
CIE Lab	76.20, 1.03, 74.10
CIE LCh	76, 74.107, 89.202
Yxy	50.2170, 0.4511, 0.4709
Android (android.graphics.Color)	4292917277 (0xFFE0B81D)
YUV	178.2900, -73.6000, 40.0877
Hunter-Lab	70.8640, -2.8455, 42.6436

Details

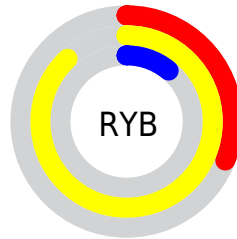
The XYZ color **48.1027, 50.2170, 8.3200** is a dark color, and the websafe version is hex **FFCC33**. The color can be described as middle washed orange. A complement of this color would be **16.0896, 9.8996, 71.5831**, and the grayscale version is **42.8229, 45.0530, 49.0627**.

A 20% lighter version of the original color is **74.3319, 84.3529, 22.4892**, and **23.4261, 24.1251, 3.4219** is the 20% darker color. If you saturate the color by 10%, you get **46.9792, 48.2672, 7.0302**, and if you desaturate by 10%, it is **49.4585, 52.3133, 10.6702**.

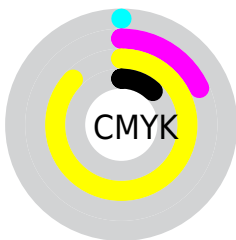
Distribution



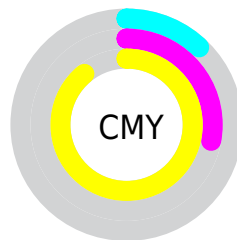
- Red (88%)
- Green (72%)
- Blue (11%)



- Red (31%)
- Yellow (88%)
- Blue (11%)



- Cyan (0%)
- Magenta (18%)
- Yellow (87%)
- Black (12%)





- Cyan (12%)
- Magenta (28%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.1027, 50.2170, 8.3200 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 48.1027, 50.2170, 8.3200 by changing the saturation by 10% instead.


 48.1027, 50.2170,
8.3200


 48.1027, 50.2170,
8.3200


369.7749,
387.5139, 188.2482


 34.1198, 35.5858,
4.2097


 86.5661, 90.4963,
23.1399


 23.1490, 24.1145,
1.7411


 111.7773,
116.9133, 34.6865


 14.8249, 15.4186,
0.3887


 141.4619,
148.0276, 49.5490

 8.7821, 9.1137,
0.0000

 175.9854,
184.2237, 68.1459

 4.6553, 4.8154,
0.0000

 215.7131,
225.8860, 90.8957

 2.0791, 2.1394,
0.0000

 261.0103,

 0.6778, 0.6866,

273.3989, 118.2170

0.0000

312.2425,
327.1467, 150.5283

■ 0.0000, 0.0000,
0.0000

■ 48.1027, 50.2170,
8.3200

■ 48.1027, 50.2170,
8.3200

■ 46.9792, 48.2672,
7.0302

■ 49.4585, 52.3133,
10.6702

■ 46.6718, 47.7103,
6.7491

■ 51.0828, 54.5651,
14.2847

■ 53.0070, 56.9873,
19.3228

■ 55.2571, 59.5908,
25.9197

■ 57.8559, 62.3853,
34.1950

■ 60.8243, 65.3793,
44.2564

■ 64.1812, 68.5811,
56.2026

■ 67.9442, 71.9979,
70.1251

■ 72.1299, 75.6369,
86.1095

Harmonies

Analogous

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



62.7476, 50.2170, 11.7850



48.1027, 50.2170, 8.3200



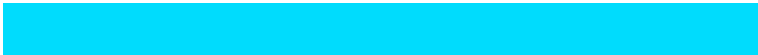
35.8522, 50.2170, 11.4061

Triad

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



48.1027, 50.2170, 8.3200



28.0106, 50.2170, 101.1139



74.5344, 50.2170, 103.9195

Complementary

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



48.1027, 50.2170, 8.3200



16.0896, 9.8996, 71.5831

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.



61.9776, 50.2170, 152.2735



48.1027, 50.2170, 8.3200



35.3224, 50.2170, 150.1744

Square

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



48.1027, 50.2170, 8.3200



25.7004, 50.2170, 53.6194



47.3587, 50.2170, 172.3162



79.7147, 50.2170, 55.7500

Rectangle

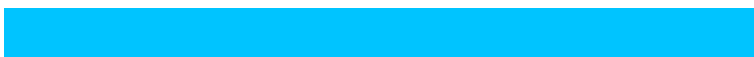
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



48.1027, 50.2170, 8.3200



30.2361, 50.2170, 18.3875



47.3587, 50.2170, 172.3162



70.9298, 50.2170, 121.4057

Sweetspot

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



48.1038, 50.2194, 8.3210



81.9671, 88.0698, 60.6526



32.3254, 17.1846, 7.6178



17.2312, 18.5422, 11.8979



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.



48.1038, 50.2194, 8.3210



62.5249, 63.8298, 9.0250



43.1863, 61.8071, 10.8168



14.6206, 15.5271, 14.5332



27.2512, 27.9402, 3.9567



1.9499, 2.0586, 0.2946

Inverse Universe

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



16.0896, 9.8996, 71.5831



19.2915, 9.7029, 95.4638



17.5732, 8.1576, 71.1687



13.1786, 13.6964, 17.3368



8.4651, 4.3997, 41.4514



0.6507, 0.4329, 2.8945

Previews

White Background



This preview shows how the XYZ color 48.1027, 50.2170, 8.3200 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 48.1027, 50.2170, 8.3200 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 48.1027, 50.2170, 8.3200

Background



This preview shows how black text looks on a background with the XYZ color 48.1027, 50.2170, 8.3200.



This preview shows how white text looks on a background with the XYZ color 48.1027, 50.2170,

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

48.1027, 50.2170, 8.3200

Protanopia

45.5833, 50.4860, 8.5706

Deuteranopia

51.1200, 49.9551, 8.3868



Tritanopia

57.1463, 50.0789, 52.0017

Trichromacy



Original Color

48.1027, 50.2170, 8.3200

Protanomaly

46.3236, 50.2333, 8.4828

Deuteranomaly

49.8607, 49.9026, 8.3707

Tritanomaly

52.0547, 49.4322, 27.2199

Monochromacy



Original Color

48.1027, 50.2170, 8.3200

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

42.4650, 45.6999, 25.6516

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.1027, 50.2170, 8.3200 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, 184, 29)` looks like.

```
.text, #text, p{  
    color:rgb(224, 184, 29)  
}
```

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, 184, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 184, 29) }
```

Border

The CSS property to change the border of an element to XYZ 48.1027, 50.2170, 8.3200 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, 184, 29) }
```


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

```
.border{ border-color:rgb(224, 184, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 184, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 184, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 184, 29);  
box-shadow:4px 4px 4px 4px rgb(224, 184,  
29) }
```

Background

The CSS property to change the background color of an element to XYZ 48.1027, 50.2170, 8.3200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 184, 29) }
```

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

```
.background{ background-color: rgb(224,  
184, 29) }
```

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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