

Converting Colors

XYZ(51.1119, 48.1668, 20.6048)

Have a look what the booklet for
XYZ(51.1119, 48.1668, 20.6048)
contains.

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Color

**XYZ(51.2017, 48.2723,
20.5288)**

Conversions

Conversions Part 1

Format	Color
Hex	E9AD6B
RGB	233, 173, 107
RGB Percent	91%, 68%, 42%
CMY	0.0863, 0.3215, 0.5804
CMYK	0.00, 0.26, 0.54, 0.09
HSL	31°, 74%, 67%
HSV	31°, 54%, 91%
XYZ	51.2017, 48.2723, 20.5288
YIQ	183.4160, 56.9460, -7.8060

Conversions

Conversions Part 2

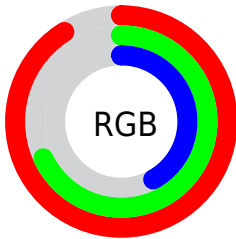
Format	Color
R _Y B	222, 233, 107
Decimal	15314283
CIE Lab	75.00, 14.61, 42.21
CIE LCh	75, 44.665, 70.907
Yxy	48.2723, 0.4267, 0.4023
Android (android.graphics.Color)	4293504363 (0xFFE9AD6B)
YUV	183.4160, -37.6731, 43.4852
Hunter-Lab	69.4783, 9.9578, 31.1163

Details

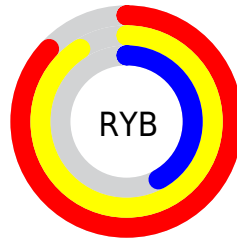
The XYZ color **51.2017, 48.2723, 20.5288** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **34.5895, 36.6449, 82.3407**, and the grayscale version is **45.4180, 47.7833, 52.0360**.

A 20% lighter version of the original color is **75.3286, 79.2849, 44.5910**, and **25.0315, 22.9688, 6.9850** is the 20% darker color. If you saturate the color by 10%, you get **48.0976, 43.7686, 14.2396**, and if you desaturate by 10%, it is **54.8151, 53.2661, 28.6179**.

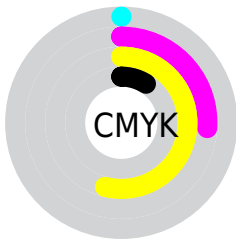
Distribution



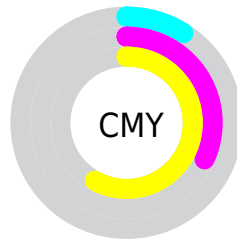
- Red (91%)
- Green (68%)
- Blue (42%)



- Red (87%)
- Yellow (91%)
- Blue (42%)



- Cyan (0%)
- Magenta (26%)
- Yellow (54%)
- Black (9%)



- Cyan (9%)
- Magenta (32%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.2017, 48.2723, 20.5288 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 51.2017, 48.2723, 20.5288 by changing the saturation by 10% instead.


 51.2017, 48.2723,
20.5288


 51.2017, 48.2723,
20.5288


381.7217,
379.8704, 267.4619

 36.5909, 34.0426,
12.5921


 91.1341, 87.6097,
45.1726


 25.0631, 22.9263,
7.0209

 117.1863,
113.4862, 62.7167

 16.2530, 14.5391,
3.3965

 147.7830,
144.0136, 84.3005

 9.7954, 8.4966,
1.3005

 183.2896,
179.5766, 110.3424

 5.3247, 4.4143,
0.0622

224.0714,
220.5593, 141.2609

 2.4757, 1.9079,
0.0000

270.4938,

 0.8830, 0.5531,

267.3463, 177.4746

0.0000

322.9221,
320.3219, 219.4021

■ 0.0000, 0.0000,
0.0000

■ 51.2017, 48.2723,
20.5288

■ 51.2017, 48.2723,
20.5288

■ 48.0976, 43.7686,
14.2396

■ 54.8151, 53.2661,
28.6179

■ 45.4677, 39.7287,
9.6029

■ 58.9625, 58.7609,
38.6327

■ 43.2774, 36.1332,
6.4521

■ 63.6711, 64.7758,
50.6909

■ 41.4836, 32.9578,
4.5835

■ 68.9648, 71.3266,
64.9000

■ 40.5707, 31.2567,
3.8948

■ 74.8661, 78.4282,
81.3596

■ 81.3962, 86.0950,
100.1634

■ 86.0470, 93.3293,
108.0869

■ 87.4142, 96.0636,
108.5426

Harmonies

Analogous

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



58.7762, 48.2723, 28.3044



51.2017, 48.2723, 20.5288



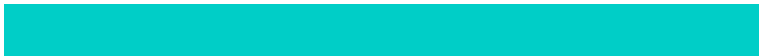
42.9789, 48.2723, 19.6554

Triad

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



51.2017, 48.2723, 20.5288



32.1472, 48.2723, 61.5201



56.9298, 48.2723, 94.3096

Complementary

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



51.2017, 48.2723, 20.5288



34.5895, 36.6449, 82.3407

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.



48.9116, 48.2723, 110.1091



51.2017, 48.2723, 20.5288



35.0256, 48.2723, 87.7763

Square

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



51.2017, 48.2723, 20.5288



32.6062, 48.2723, 39.2019



40.9430, 48.2723, 107.4162



62.3444, 48.2723, 68.6534

Rectangle

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



51.2017, 48.2723, 20.5288



38.2921, 48.2723, 22.6868



40.9430, 48.2723, 107.4162



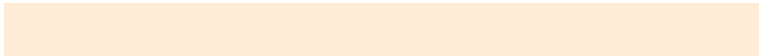
54.4125, 48.2723, 101.2494

Sweetspot

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



51.2029, 48.2747, 20.5297



83.2759, 85.8707, 75.9379



45.9207, 30.6629, 40.4956



17.5305, 18.0181, 15.4583



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.



51.2029, 48.2747, 20.5297



58.5944, 53.0669, 16.6610



64.7154, 76.3115, 25.2292



15.7185, 16.3599, 15.8480



23.1459, 17.9860, 2.2517



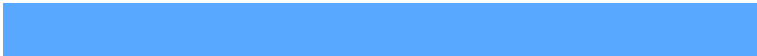
1.9138, 1.6049, 0.2089

Inverse Universe

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



34.5895, 36.6449, 82.3407



36.2282, 37.4249, 99.9220



26.2851, 19.6567, 79.4993



14.8228, 15.7321, 19.1776



11.6899, 10.0269, 45.0622



1.0137, 0.9789, 3.5704

Previews

White Background



This preview shows how the XYZ color 51.2017, 48.2723, 20.5288 looks on a white background.

Color Contrast Check

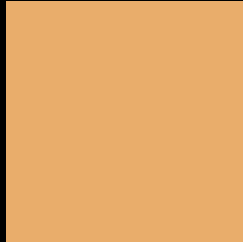
Large Text (above 18pt) WCAG AA × Fail

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 51.2017, 48.2723, 20.5288 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

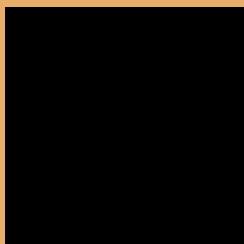
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.2017, 48.2723, 20.5288

Background



This preview shows how black text looks on a background with the XYZ color 51.2017, 48.2723, 20.5288.



This preview shows how white text looks on a background with the XYZ color 51.2017, 48.2723,

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

51.2017, 48.2723, 20.5288

Protanopia

44.5753, 48.4022, 22.0321

Deuteranopia

49.1782, 48.0988, 20.3277



Tritanopia

56.9875, 48.4353, 47.9404

Trichromacy



Original Color

51.2017, 48.2723, 20.5288

Protanomaly

46.7789, 48.3197, 21.6130

Deuteranomaly

49.9264, 48.1945, 20.3067

Tritanomaly

54.5952, 48.2768, 36.1466

Monochromacy



Original Color

51.2017, 48.2723, 20.5288

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

46.1239, 47.0243, 37.6559

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.2017, 48.2723, 20.5288 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(233, 173, 107)` looks like.

```
.text, #text, p{  
    color:rgb(233, 173, 107)  
}
```

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(233, 173, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 173, 107) }
```

Border

The CSS property to change the border of an element to XYZ 51.2017, 48.2723, 20.5288 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(233, 173, 107) }
```


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

```
.border{ border-color:rgb(233, 173, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 173, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 173, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 173, 107);  
box-shadow:4px 4px 4px 4px rgb(233, 173,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 51.2017, 48.2723, 20.5288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 173, 107) }
```

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

```
.background{ background-color: rgb(233,  
173, 107) }
```

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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