

Converting Colors

XYZ(48.6476, 44.8826, 15.8839)

Have a look what the booklet for
XYZ(48.6476, 44.8826, 15.8839)
contains.

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Color

**XYZ(48.6222, 44.8214,
15.9863)**

Conversions

Conversions Part 1

Format	Color
Hex	E8A55B
RGB	232, 165, 91
RGB Percent	91%, 65%, 36%
CMY	0.0902, 0.3529, 0.6431
CMYK	0.00, 0.29, 0.61, 0.09
HSL	31°, 75%, 63%
HSV	31°, 61%, 91%
XYZ	48.6222, 44.8214, 15.9863
YIQ	176.5970, 63.6860, -8.8100

Conversions

Conversions Part 2

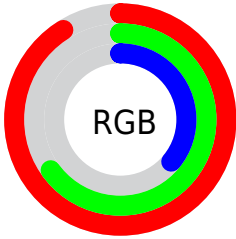
Format	Color
R_{YB}	219, 232, 91
Decimal	15246683
CIE _{Lab}	72.77, 17.24, 47.55
CIE _{LCh}	73, 50.577, 70.073
Yxy	44.8214, 0.4443, 0.4096
Android (android.graphics.Color)	4293436763 (0xFFE8A55B)
YUV	176.5970, -42.1993, 48.5884
Hunter-Lab	66.9488, 12.4770, 32.7066

Details

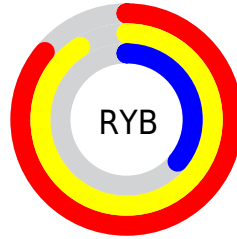
The XYZ color **48.6222, 44.8214, 15.9863** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **31.1062, 32.5027, 80.9778**, and the grayscale version is **41.7704, 43.9457, 47.8569**.

A 20% lighter version of the original color is **71.7911, 74.4296, 36.5691**, and **23.5389, 20.8546, 4.8825** is the 20% darker color. If you saturate the color by 10%, you get **45.8687, 40.6763, 10.8710**, and if you desaturate by 10%, it is **51.8585, 49.4375, 22.7892**.

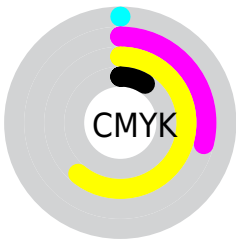
Distribution



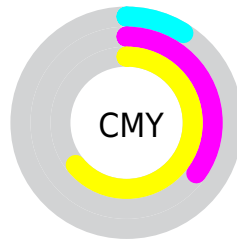
- Red (91%)
- Green (65%)
- Blue (36%)



- Red (86%)
- Yellow (91%)
- Blue (36%)



- Cyan (0%)
- Magenta (29%)
- Yellow (61%)
- Black (9%)





- Cyan (9%)
- Magenta (35%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.6222, 44.8214, 15.9863 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 48.6222, 44.8214, 15.9863 by changing the saturation by 10% instead.


 48.6222, 44.8214,
15.9863

 48.6222, 44.8214,
15.9863


371.7948,
366.0497, 241.1038

 34.5332, 31.3168,
9.3602


 87.3342, 82.4523,
37.3409


 23.4683, 20.8402,
4.8769


 112.6879,
107.3474, 52.9064

 15.0623, 13.0072,
2.1177

 142.5271,
136.8082, 72.2889

 8.9497, 7.4335,
0.6263

 177.2173,
171.2189, 95.9068

 4.7652, 3.7347,
0.0000

217.1238,
210.9640, 124.1788

 2.1435, 1.5263,
0.0000

262.6120,

 0.7127, 0.3071,

256.4279, 157.5232

0.0000

314.0472,
307.9950, 196.3587

■ 0.0000, 0.0000,
0.0000

■ 48.6222, 44.8214,
15.9863

■ 48.6222, 44.8214,
15.9863

■ 45.8687, 40.6763,
10.8710

■ 51.8585, 49.4375,
22.7892

■ 43.5610, 36.9750,
7.2837

■ 55.6043, 54.5364,
31.4144

■ 41.6604, 33.6967,
5.0376

■ 59.8880, 60.1378,
41.9859

■ 40.2096, 31.0178,
3.8677

■ 64.7344, 66.2577,
54.6159

■ 70.1666, 72.9114,
69.4080

■ 76.2066, 80.1136,
86.4587

■ 82.8747, 87.8780,
105.8588

■ 86.5145, 94.7475,
108.3360

■ 87.0886, 95.8957,
108.5274

Harmonies

Analogous

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



56.8799, 44.8214, 23.8135



48.6222, 44.8214, 15.9863



39.7146, 44.8214, 14.9858

Triad

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



48.6222, 44.8214, 15.9863



28.0396, 44.8214, 57.7629



54.4279, 44.8214, 95.9750

Complementary

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



48.6222, 44.8214, 15.9863



31.1062, 32.5027, 80.9778

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.



45.6248, 44.8214, 113.6156



48.6222, 44.8214, 15.9863



30.9379, 44.8214, 87.0430

Square

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



48.6222, 44.8214, 15.9863



28.6117, 44.8214, 34.1011



37.0993, 44.8214, 109.8790



60.5380, 44.8214, 67.2188

Rectangle

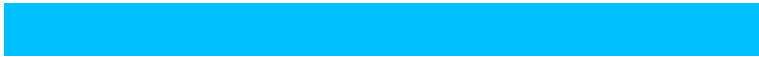
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



48.6222, 44.8214, 15.9863



34.6847, 44.8214, 17.7668



37.0993, 44.8214, 109.8790



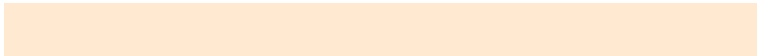
51.6394, 44.8214, 103.7841

Sweetspot

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



48.6233, 44.8236, 15.9872



81.9541, 84.2545, 72.3298



43.2910, 27.1468, 35.8278



17.1375, 17.5335, 14.3986



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.



48.6233, 44.8236, 15.9872



56.0465, 49.1617, 12.1410



63.2657, 75.2334, 21.0851



14.9999, 15.6136, 15.1276



22.4500, 17.4742, 2.1896



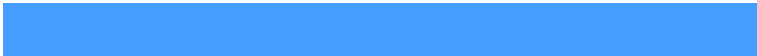
1.7519, 1.4771, 0.1928

Inverse Universe

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



31.1062, 32.5027, 80.9778



32.6009, 32.6944, 99.2001



22.8567, 15.6543, 78.1605



14.1448, 15.0111, 18.2962



11.3199, 9.7020, 43.6592



0.9290, 0.9019, 3.2571

Previews

White Background



This preview shows how the XYZ color 48.6222, 44.8214, 15.9863 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 48.6222, 44.8214, 15.9863 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

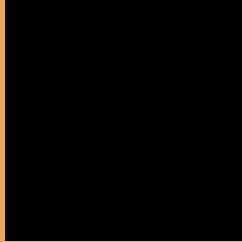
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.6222, 44.8214, 15.9863

Background



This preview shows how black text looks on a background with the XYZ color 48.6222, 44.8214, 15.9863.



This preview shows how white text looks on a background with the XYZ color 48.6222, 44.8214,

15.9863.

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

48.6222, 44.8214, 15.9863

Protanopia

41.2574, 44.9550, 17.5690

Deuteranopia

45.7354, 44.7033, 15.8909



Tritanopia

54.2162, 44.7812, 42.8319

Trichromacy



Original Color

48.6222, 44.8214, 15.9863

Protanomaly

43.7348, 44.7819, 16.9284

Deuteranomaly

46.5886, 44.5907, 15.8243

Tritanomaly

51.7238, 44.5226, 30.6785

Monochromacy



Original Color

48.6222, 44.8214, 15.9863

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

43.1578, 43.8328, 33.3800

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.6222, 44.8214, 15.9863 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(232, 165, 91)` looks like.

```
.text, #text, p{  
    color:rgb(232, 165, 91)  
}
```

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(232, 165, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 165, 91) }
```

Border

The CSS property to change the border of an element to XYZ 48.6222, 44.8214, 15.9863 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(232, 165, 91) }
```


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

```
.border{ border-color:rgb(232, 165, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 165, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 165, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 165, 91);  
box-shadow:4px 4px 4px 4px rgb(232, 165,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 48.6222, 44.8214, 15.9863 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 165, 91) }
```

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

```
.background{ background-color: rgb(232,  
165, 91) }
```

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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