

Converting Colors

XYZ(48.3625, 46.0448, 14.4455)

Have a look what the booklet for
XYZ(48.3625, 46.0448, 14.4455)
contains.

XYZ(48.2492, 46.0320, 14.5257)	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(48.2492, 46.0320,
14.5257)**

Conversions

Conversions Part 1

Format	Color
Hex	E5AA53
RGB	229, 170, 83
RGB Percent	90%, 67%, 33%
CMY	0.1020, 0.3333, 0.6745
CMYK	0.00, 0.26, 0.64, 0.10
HSL	36°, 74%, 61%
HSV	36°, 64%, 90%
XYZ	48.2492, 46.0320, 14.5257
YIQ	177.7230, 63.0910, -14.5490

Conversions

Conversions Part 2

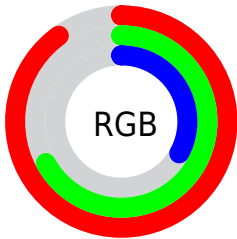
Format	Color
RYB	182, 229, 83
Decimal	15051347
CIELab	73.57, 12.80, 52.23
CIELCh	74, 53.777, 76.232
Yxy	46.0320, 0.4434, 0.4231
Android (android.graphics.Color)	4293241427 (0xFFE5AA53)
YUV	177.7230, -46.6984, 44.9699
Hunter-Lab	67.8469, 8.2079, 34.7991

Details

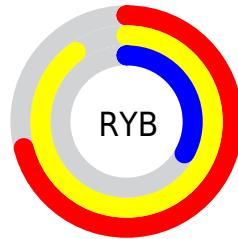
The XYZ color **48.2492, 46.0320, 14.5257** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **27.3827, 26.8411, 77.8661**, and the grayscale version is **42.3872, 44.5946, 48.5635**.

A 20% lighter version of the original color is **72.5384, 76.8597, 33.9339**, and **23.3033, 21.6018, 4.2377** is the 20% darker color. If you saturate the color by 10%, you get **45.8330, 42.3887, 10.0554**, and if you desaturate by 10%, it is **51.0816, 50.0408, 20.5757**.

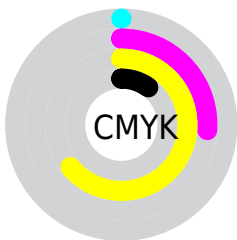
Distribution



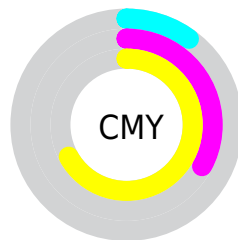
- Red (90%)
- Green (67%)
- Blue (33%)



- Red (71%)
- Yellow (90%)
- Blue (33%)



- Cyan (0%)
- Magenta (26%)
- Yellow (64%)
- Black (10%)



- Cyan (10%)
- Magenta (33%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.2492, 46.0320, 14.5257 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 48.2492, 46.0320, 14.5257 by changing the saturation by 10% instead.

48.2492, 46.0320,
14.5257

48.2492, 46.0320,
14.5257

370.3452,
370.9373, 232.0182

34.2363, 32.2711,
8.3443

86.7828, 84.2669,
34.7494

23.2390, 21.5686,
4.2251

112.0342,
109.5096, 49.6288

14.8917, 13.5403,
1.7496

141.7625,
139.3484, 68.2445

8.8293, 7.8016,
0.3944

176.3331,
174.1677, 91.0152

4.6862, 3.9683,
0.0000

216.1113,
214.3518, 118.3594

2.0972, 1.6558,
0.0000

261.4625,

0.6877, 0.3948,

260.2852, 150.6956

0.0000

312.7520,
312.3522, 188.4423

■ 0.0000, 0.0000,
0.0000

■ 48.2492, 46.0320,
14.5257

■ 48.2492, 46.0320,
14.5257

■ 45.8330, 42.3887,
10.0554

■ 51.0816, 50.0408,
20.5757

■ 43.7973, 39.0872,
7.0032

■ 54.3552, 54.4235,
28.3401

■ 42.1040, 36.1099,
5.1771

■ 58.0967, 59.1964,
37.9422

■ 41.1830, 34.3981,
4.4689

■ 62.3293, 64.3724,
49.4931

■ 67.0744, 69.9637,
63.0948

■ 72.3522, 75.9817,
78.8425

■ 78.1814, 82.4375,
96.8250

■ 82.7233, 88.5987,
107.3490

■ 85.5784, 94.3089,
108.3007

Harmonies

Analogous

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



57.6572, 46.0320, 21.0200



48.2492, 46.0320, 14.5257



38.8378, 46.0320, 14.7824

Triad

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



48.2492, 46.0320, 14.5257



28.4406, 46.0320, 66.2285



58.3279, 46.0320, 95.7681

Complementary

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



48.2492, 46.0320, 14.5257



27.3827, 26.8411, 77.8661

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.



49.0643, 46.0320, 119.0792



48.2492, 46.0320, 14.5257



32.2842, 46.0320, 98.2404

Square

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



48.2492, 46.0320, 14.5257



28.2882, 46.0320, 38.6635



39.5434, 46.0320, 120.1197



64.0209, 46.0320, 63.6442

Rectangle

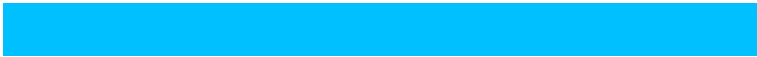
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



48.2492, 46.0320, 14.5257



33.8109, 46.0320, 18.6375



39.5434, 46.0320, 120.1197



55.4726, 46.0320, 105.3333

Sweetspot

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



48.2503, 46.0343, 14.5266



82.2770, 85.4020, 70.8912



40.4278, 24.8534, 28.9858



17.2451, 17.8460, 14.1344



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.



48.2503, 46.0343, 14.5266



57.4792, 52.4897, 11.1923



58.1463, 71.3891, 18.8990



15.0876, 15.7890, 15.1568



23.6676, 19.9093, 2.5955



1.8395, 1.6523, 0.2220

Inverse Universe

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



27.3827, 26.8411, 77.8661



28.9200, 26.3132, 98.1624



21.9732, 14.2860, 75.7278



14.0585, 14.8384, 18.2675



10.4118, 7.8857, 43.3565



0.8586, 0.7610, 3.2336

Previews

White Background



This preview shows how the XYZ color 48.2492, 46.0320, 14.5257 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 48.2492, 46.0320, 14.5257 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 48.2492, 46.0320, 14.5257

Background



This preview shows how black text looks on a background with the XYZ color 48.2492, 46.0320, 14.5257.



This preview shows how white text looks on a background with the XYZ color 48.2492, 46.0320,

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

48.2492, 46.0320, 14.5257

Protanopia

42.3316, 46.1534, 15.6942

Deuteranopia

47.0160, 45.9615, 14.3761



Tritanopia

54.6093, 45.9530, 45.0213

Trichromacy



Original Color

48.2492, 46.0320, 14.5257

Protanomaly

44.2658, 45.9651, 15.3432

Deuteranomaly

47.4499, 45.9038, 14.3421

Tritanomaly

51.6134, 45.7680, 30.9247

Monochromacy



Original Color

48.2492, 46.0320, 14.5257

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

43.3139, 44.5134, 32.2957

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.2492, 46.0320, 14.5257 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(229, 170, 83)` looks like.

```
.text, #text, p{  
    color:rgb(229, 170, 83)  
}
```

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(229, 170, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 170, 83) }
```

Border

The CSS property to change the border of an element to XYZ 48.2492, 46.0320, 14.5257 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(229, 170, 83) }
```


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

```
.border{ border-color:rgb(229, 170, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 170, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 170, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 170, 83);  
box-shadow:4px 4px 4px 4px rgb(229, 170,  
83) }
```

Background

The CSS property to change the background color of an element to XYZ 48.2492, 46.0320, 14.5257 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 170, 83) }
```

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

```
.background{ background-color: rgb(229,  
170, 83) }
```

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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