

Converting Colors

XYZ(46.6524, 49.8188, 42.0428)

Have a look what the booklet for
XYZ(46.6524, 49.8188, 42.0428)
contains.

XYZ(46.9322, 50.1161, 42.3217)	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(46.9322, 50.1161,
42.3217)**

Conversions

Conversions Part 1

Format	Color
Hex	C2BCA4
RGB	194, 188, 164
RGB Percent	76%, 74%, 64%
CMY	0.2392, 0.2627, 0.3569
CMYK	0.00, 0.03, 0.15, 0.24
HSL	48°, 20%, 70%
HSV	48°, 15%, 76%
XYZ	46.9322, 50.1161, 42.3217
YIQ	187.0580, 11.2800, -6.1920

Conversions

Conversions Part 2

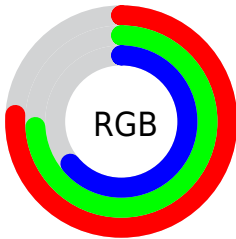
Format	Color
R _Y B	172, 194, 164
Decimal	12762276
CIE Lab	76.14, -1.96, 12.90
CIE LCh	76, 13.052, 98.636
Yxy	50.1161, 0.3367, 0.3596
Android (android.graphics.Color)	4290952356 (0xFFC2BCA4)
YUV	187.0580, -11.3676, 6.0881
Hunter-Lab	70.7927, -5.5503, 14.1098

Details

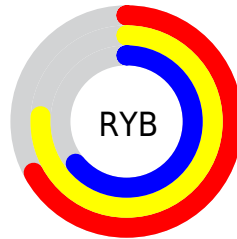
The XYZ color **46.9322, 50.1161, 42.3217** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **39.4221, 40.5362, 56.7859**, and the grayscale version is **47.3256, 49.7902, 54.2215**.

A 20% lighter version of the original color is **84.9205, 90.3251, 79.9765**, and **22.4038, 24.0732, 18.7950** is the 20% darker color. If you saturate the color by 10%, you get **44.4954, 47.8354, 33.5152**, and if you desaturate by 10%, it is **49.6612, 52.5527, 52.5454**.

Distribution



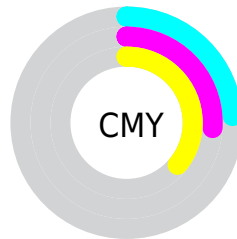
- Red (76%)
- Green (74%)
- Blue (64%)



- Red (67%)
- Yellow (76%)
- Blue (64%)



- Cyan (0%)
- Magenta (3%)
- Yellow (15%)
- Black (24%)



- Cyan (24%)
- Magenta (26%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.9322, 50.1161, 42.3217 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 46.9322, 50.1161, 42.3217 by changing the saturation by 10% instead.

■ 46.9322, 50.1161,
42.3217

■ 46.9322, 50.1161,
42.3217

365.1973,
387.1198, 371.6537

■ 33.1898, 35.5057,
29.0258

■ 84.8318, 90.3469,
79.9616

■ 22.4318, 24.0526,
18.8546

■ 109.7196,
116.7360, 105.1427

■ 14.2929, 15.3727,
11.3895

139.0533,
147.8201, 135.1227

■ 8.4077, 9.0814,
6.2120

173.1983,
183.9837, 170.3200

■ 4.4109, 4.7943,
2.9036

212.5198,
225.6110, 211.1532

■ 1.9371, 2.1271,
1.0456

257.3832,

■ 0.5983, 0.6798,

273.0865, 258.0409

0.0000

308.1539,
326.7947, 311.4015

■ 0.0000, 0.0000,
0.0000

■ 46.9322, 50.1161,
42.3217

■ 46.9322, 50.1161,
42.3217

■ 44.4954, 47.8354,
33.5152

■ 49.6612, 52.5527,
52.5454

■ 42.3346, 45.6987,
26.0590

■ 52.6900, 55.1433,
64.2427

■ 40.4380, 43.7028,
19.8857

■ 56.0306, 57.8949,
77.4707

■ 38.7912, 41.8416,
14.9208

■ 59.6933, 60.8117,
92.2828

■ 37.3784, 40.1085,
11.0820

■ 62.7063, 63.5054,
103.5605

■ 36.1819, 38.4961,
8.2768

■ 63.6596, 65.4121,
103.8783

■ 35.1812, 36.9959,
6.3979

■ 64.6363, 67.3653,
104.2038

■ 34.3510, 35.5976,
5.3133

■ 65.6363, 69.3653,
104.5372

■ 34.0073, 34.9874,
4.9609

■ 66.6599, 71.4125,
104.8784

Harmonies

Analogous

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



49.3652, 50.1161, 42.9765



46.9322, 50.1161, 42.3217



44.7615, 50.1161, 44.7219

Triad

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



46.9322, 50.1161, 42.3217



44.0589, 50.1161, 63.4034



52.1425, 50.1161, 59.6157

Complementary

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



46.9322, 50.1161, 42.3217



39.4221, 40.5362, 56.7859

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.



50.6265, 50.1161, 65.7624



46.9322, 50.1161, 42.3217



45.9434, 50.1161, 68.0760

Square

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



46.9322, 50.1161, 42.3217



43.1401, 50.1161, 56.6123



48.3425, 50.1161, 68.9743



52.4293, 50.1161, 52.5733

Rectangle

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



46.9322, 50.1161, 42.3217



43.7354, 50.1161, 47.8628



48.3425, 50.1161, 68.9743



51.7574, 50.1161, 61.8717

Sweetspot

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



46.9335, 50.1183, 42.3228



90.1736, 95.3865, 95.9626



42.7799, 40.9232, 43.6751



19.6653, 20.8172, 20.7033



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.



46.9335, 50.1183, 42.3228



83.2750, 89.1818, 70.2566



46.0007, 51.5787, 42.6538



10.7369, 11.4053, 10.6974



22.4174, 23.1206, 3.2812



1.0131, 1.0880, 0.1566

Inverse Universe

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



39.4221, 40.5362, 56.7859



66.7416, 68.0920, 102.0952



40.2473, 39.3309, 56.5097



9.6877, 10.0668, 12.7173



6.9216, 3.5998, 33.8866



0.3485, 0.2545, 1.4806

Previews

White Background



This preview shows how the XYZ color 46.9322, 50.1161, 42.3217 looks on a white background.

Color Contrast Check

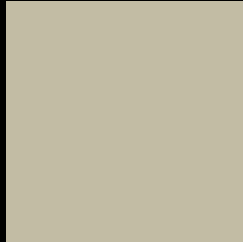
Large Text (above 18pt) WCAG AA × Fail

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 46.9322, 50.1161, 42.3217 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

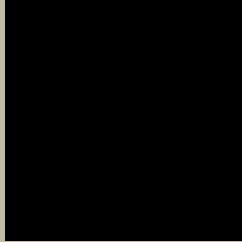
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.9322, 50.1161, 42.3217

Background



This preview shows how black text looks on a background with the XYZ color 46.9322, 50.1161, 42.3217.



This preview shows how white text looks on a background with the XYZ color 46.9322, 50.1161,

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

46.9322, 50.1161, 42.3217

Protanopia

47.4971, 50.0913, 42.2872

Deuteranopia

51.0470, 50.0605, 42.5695



Tritanopia

50.6797, 50.0863, 60.4226

Trichromacy



Original Color

46.9322, 50.1161, 42.3217

Protanomaly

47.2361, 49.9567, 42.2750

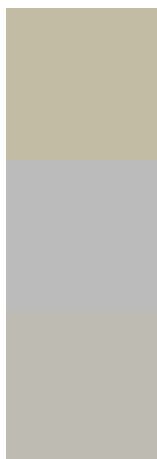
Deuteranomaly

49.6641, 50.2630, 42.6815

Tritanomaly

49.2378, 50.1134, 53.5321

Monochromacy



Original Color

46.9322, 50.1161, 42.3217

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

47.1422, 49.7425, 49.7644

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.9322, 50.1161, 42.3217 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(194, 188, 164)` looks like.

```
.text, #text, p{  
    color:rgb(194, 188, 164)  
}
```

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(194, 188, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 188, 164) }
```

Border

The CSS property to change the border of an element to XYZ 46.9322, 50.1161, 42.3217 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(194, 188, 164) }
```


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

```
.border{ border-color:rgb(194, 188, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 188, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 188, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 188, 164);  
box-shadow:4px 4px 4px 4px rgb(194, 188,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 46.9322, 50.1161, 42.3217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 188, 164) }
```

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

```
.background{ background-color: rgb(194,  
188, 164) }
```

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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