

Converting Colors

XYZ(46.6277, 46.1968, 20.9381)

Have a look what the booklet for
XYZ(46.6277, 46.1968, 20.9381)
contains.

XYZ(46.5116, 46.1279, 20.9202)	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(46.5116, 46.1279,
20.9202)**

Conversions

Conversions Part 1

Format	Color
Hex	D9AE6D
RGB	217, 174, 109
RGB Percent	85%, 68%, 43%
CMY	0.1490, 0.3176, 0.5725
CMYK	0.00, 0.20, 0.50, 0.15
HSL	36°, 59%, 64%
HSV	36°, 50%, 85%
XYZ	46.5116, 46.1279, 20.9202
YIQ	179.4470, 46.4930, -11.0990

Conversions

Conversions Part 2

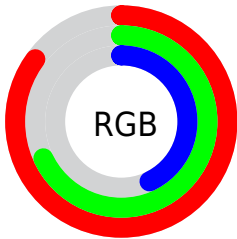
Format	Color
RYB	180, 217, 109
Decimal	14265965
CIELab	73.63, 7.68, 39.12
CIELCh	74, 39.872, 78.889
Yxy	46.1279, 0.4096, 0.4062
Android (android.graphics.Color)	4292456045 (0xFFD9AE6D)
YUV	179.4470, -34.7304, 32.9340
Hunter-Lab	67.9175, 3.3855, 29.2795

Details

The XYZ color **46.5116, 46.1279, 20.9202** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **30.0589, 30.7163, 69.9899**, and the grayscale version is **43.2497, 45.5020, 49.5517**.

A 20% lighter version of the original color is **75.7809, 79.9073, 45.6120**, and **22.2723, 21.7189, 7.2933** is the 20% darker color. If you saturate the color by 10%, you get **43.8692, 42.4875, 14.9704**, and if you desaturate by 10%, it is **49.5519, 50.1027, 28.4262**.

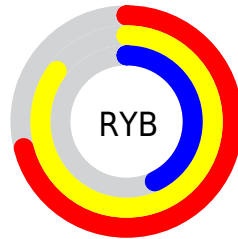
Distribution



Red (85%)

Green (68%)

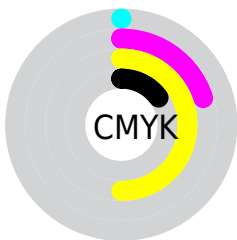
Blue (43%)



Red (71%)

Yellow (85%)

Blue (43%)

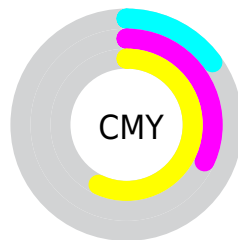


Cyan (0%)

Magenta (20%)

Yellow (50%)

Black (15%)



Cyan (15%)


Magenta (32%)


Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.5116, 46.1279, 20.9202 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 46.5116, 46.1279, 20.9202 by changing the saturation by 10% instead.


 46.5116, 46.1279,
20.9202

 46.5116, 46.1279,
20.9202


363.5432,
371.3226, 269.6212

 32.8560, 32.3468,
12.8750


 84.2073, 84.4104,
45.8338


 22.1749, 21.6265,
7.2128


 108.9782,
109.6805, 63.5392

 14.1028, 13.5827,
3.5151

 138.1849,
139.5491, 85.3018

 8.2744, 7.8310,
1.3633

 172.1928,
174.4005, 111.5401

 4.3243, 3.9870,
0.1128

211.3672,
214.6192, 142.6727

 1.8872, 1.6663,
0.0000

256.0735,

 0.5694, 0.4017,

260.5895, 179.1180

0.0000

306.6771,
312.6958, 221.2947

■ 0.0000, 0.0000,
0.0000

■ 46.5116, 46.1279,
20.9202

■ 46.5116, 46.1279,
20.9202

■ 43.8692, 42.4875,
14.9704

■ 49.5519, 50.1027,
28.4262

■ 41.5978, 39.1623,
10.4596

■ 53.0083, 54.4171,
37.5884

■ 39.6718, 36.1406,
7.2582


■ 56.9013, 59.0841,
48.5019


■ 38.0599, 33.4063,
5.2114


■ 61.2493, 64.1139,
61.2535


■ 36.7089, 30.9348,
4.0507


■ 66.0693, 69.5162,
75.9242

 36.6794, 30.8801,
4.0272

 71.3774, 75.3004,
92.5903

 76.2240, 81.0893,
106.2421

 78.7504, 86.1422,
107.0843

 81.3986, 91.4385,
107.9670

Harmonies

Analogous

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



53.3884, 46.1279, 26.2591



46.5116, 46.1279, 20.9202



39.5937, 46.1279, 21.6907

Triad

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



46.5116, 46.1279, 20.9202



32.2127, 46.1279, 63.8920



54.8869, 46.1279, 80.3702

Complementary

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



46.5116, 46.1279, 20.9202



30.0589, 30.7163, 69.9899

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.



48.3863, 46.1279, 96.7199



46.5116, 46.1279, 20.9202



35.5094, 46.1279, 85.5805

Square

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



46.5116, 46.1279, 20.9202



31.8262, 46.1279, 43.0997



41.2788, 46.1279, 98.8479



58.5582, 46.1279, 58.0963

Rectangle

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



46.5116, 46.1279, 20.9202



35.8610, 46.1279, 25.6351



41.2788, 46.1279, 98.8479



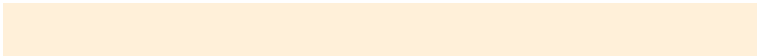
52.9298, 46.1279, 86.9705

Sweetspot

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



46.5127, 46.1301, 20.9211



84.8251, 88.4431, 78.0758



39.7680, 27.9630, 33.0936



17.8751, 18.6039, 15.8924



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.



46.5127, 46.1301, 20.9211



62.9502, 60.8432, 20.9964



53.0823, 63.8801, 24.0010



13.7047, 14.3487, 13.7728



22.3097, 18.9050, 2.4732



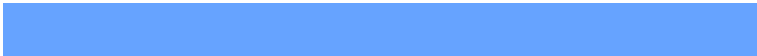
1.5287, 1.3915, 0.1880

Inverse Universe

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



30.0589, 30.7163, 69.9899



36.6106, 36.2070, 99.6668



25.7115, 19.9264, 68.1364



12.7619, 13.4636, 16.5782



9.7116, 7.2927, 40.6342



0.7119, 0.6380, 2.6601

Previews

White Background



This preview shows how the XYZ color 46.5116, 46.1279, 20.9202 looks on a white background.

Color Contrast Check

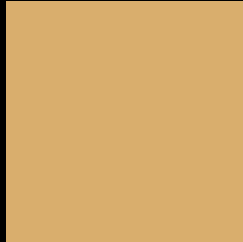
Large Text (above 18pt) WCAG AA × Fail

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 46.5116, 46.1279, 20.9202 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 46.5116, 46.1279, 20.9202

Background



This preview shows how black text looks on a background with the XYZ color 46.5116, 46.1279, 20.9202.



This preview shows how white text looks on a background with the XYZ color 46.5116, 46.1279,

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

46.5116, 46.1279, 20.9202

Protanopia

42.7372, 46.2234, 21.9987

Deuteranopia

47.2191, 46.2069, 20.8981



Tritanopia

52.1035, 46.1748, 48.2859

Trichromacy



Original Color

46.5116, 46.1279, 20.9202

Protanomaly

43.9665, 45.9676, 21.5943

Deuteranomaly

46.9173, 46.0513, 20.8840

Tritanomaly

49.7565, 46.0480, 36.4027

Monochromacy



Original Color

46.5116, 46.1279, 20.9202

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

43.5472, 45.1148, 36.9847

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.5116, 46.1279, 20.9202 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(217, 174, 109)` looks like.

```
.text, #text, p{  
    color:rgb(217, 174, 109)  
}
```

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(217, 174, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 174, 109) }
```

Border

The CSS property to change the border of an element to XYZ 46.5116, 46.1279, 20.9202 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(217, 174, 109) }
```


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

```
.border{ border-color:rgb(217, 174, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 174, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 174, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 174, 109);  
box-shadow:4px 4px 4px 4px rgb(217, 174,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 46.5116, 46.1279, 20.9202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 174, 109) }
```

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

```
.background{ background-color: rgb(217,  
174, 109) }
```

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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