

Converting Colors

XYZ(20.7042, 18.2909, 4.5189)

Have a look what the booklet for
XYZ(20.7042, 18.2909, 4.5189)
contains.

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Color

**XYZ(20.6585, 18.2547,
4.5325)**

Conversions

Conversions Part 1

Format	Color
Hex	A36A29
RGB	163, 106, 41
RGB Percent	64%, 42%, 16%
CMY	0.3608, 0.5843, 0.8392
CMYK	0.00, 0.35, 0.75, 0.36
HSL	32°, 60%, 40%
HSV	32°, 75%, 64%
XYZ	20.6585, 18.2547, 4.5325
YIQ	115.6330, 54.8370, -8.1310

Conversions

Conversions Part 2

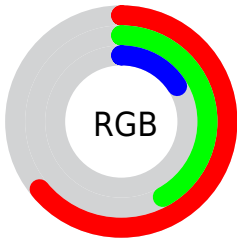
Format	Color
RYB	148, 163, 41
Decimal	10709545
CIELab	49.80, 16.99, 44.14
CIElCh	50, 47.296, 68.950
Yxy	18.2547, 0.4755, 0.4202
Android (android.graphics.Color)	4288899625 (0xFFA36A29)
YUV	115.6330, -36.7941, 41.5409
Hunter-Lab	42.7255, 11.5381, 23.6181

Details

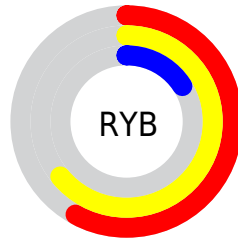
The XYZ color **20.6585, 18.2547, 4.5325** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **11.8927, 11.8505, 36.3106**, and the grayscale version is **16.5858, 17.4495, 19.0026**.

A 20% lighter version of the original color is **44.0266, 40.3817, 15.1469**, and **7.6274, 6.2537, 0.8051** is the 20% darker color. If you saturate the color by 10%, you get **19.6806, 16.6639, 3.0821**, and if you desaturate by 10%, it is **21.8247, 20.0339, 6.6271**.

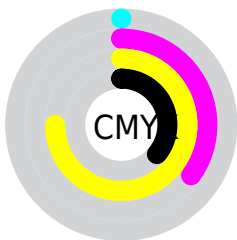
Distribution



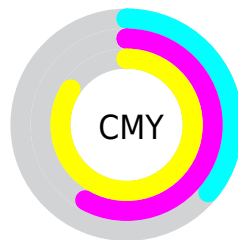
- Red (64%)
- Green (42%)
- Blue (16%)



- Red (58%)
- Yellow (64%)
- Blue (16%)



- Cyan (0%)
- Magenta (35%)
- Yellow (75%)
- Black (36%)



- Cyan (36%)
- Magenta (58%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.6585, 18.2547, 4.5325 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 20.6585, 18.2547, 4.5325 by changing the saturation by 10% instead.

■ 20.6585, 18.2547,
4.5325

■ 20.6585, 18.2547,
4.5325

248.2242,
242.3028, 153.9720

■ 12.9856, 11.1330,
1.9218

■ 44.0141, 40.4709,
15.2204

■ 7.4956, 6.1564,
0.5065

■ 60.4275, 56.3341,
24.1346

■ 3.8230, 2.9404,
0.0000

■ 80.4851, 75.8800,
35.9870

■ 1.6025, 1.1007,
0.0000

■ 104.5523, 99.4929,
51.1963

■ 0.3940, 0.0000,
0.0000

■ 132.9945,
127.5572, 70.1809

■ 0.0000, 0.0000,
0.0000

■ 166.1770,

160.4574, 93.3593

204.4651,
198.5778, 121.1502

■ 20.6585, 18.2547,
4.5325

■ 20.6585, 18.2547,
4.5325

■ 19.6806, 16.6639,
3.0821

■ 21.8247, 20.0339,
6.6271

■ 18.8720, 15.2486,
2.1899

■ 23.1927, 22.0074,
9.4339

■ 18.5001, 14.5785,
1.8389

■ 24.7759, 24.1839,
13.0131

■ 26.5859, 26.5708,
17.4181

■ 28.6335, 29.1747,
22.6978

■ 30.9285, 32.0022,
28.8970

■ 33.4805, 35.0593,
36.0575

■ 36.2980, 38.3518,
44.2185

■ 39.3895, 41.8854,
53.4169

Harmonies

Analogous

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



25.0138, 18.2547, 7.9870



20.6585, 18.2547, 4.5325



16.0349, 18.2547, 4.0449

Triad

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



20.6585, 18.2547, 4.5325



10.1114, 18.2547, 23.9998



23.3989, 18.2547, 46.1525

Complementary

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



20.6585, 18.2547, 4.5325



11.8927, 11.8505, 36.3106

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.



18.7362, 18.2547, 55.9311



20.6585, 18.2547, 4.5325



11.4380, 18.2547, 39.9560

Square

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



20.6585, 18.2547, 4.5325



10.4453, 18.2547, 12.2181



14.4160, 18.2547, 53.2715



26.7770, 18.2547, 30.2082

Rectangle

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



20.6585, 18.2547, 4.5325



13.4792, 18.2547, 5.0945



14.4160, 18.2547, 53.2715



21.9002, 18.2547, 50.5271

Sweetspot

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



20.6589, 18.2556, 4.5328



52.2411, 53.4471, 43.2018



18.1958, 10.2919, 13.0758



11.5068, 11.7218, 9.1018



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



20.6589, 18.2556, 4.5328



34.2283, 28.0815, 4.3338



28.1884, 33.9278, 7.1610



7.3716, 7.6815, 7.4742



14.4240, 11.4219, 1.4444



0.3499, 0.3336, 0.0460

Inverse Universe

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



11.8927, 11.8505, 36.3106



17.7450, 16.0825, 64.2251



8.4015, 4.7447, 35.1230



6.9605, 7.3800, 8.9607



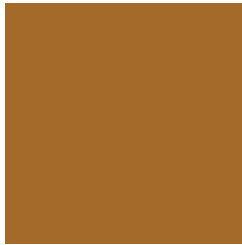
7.1992, 6.1778, 27.7428



0.1985, 0.2242, 0.5987

Previews

White Background



This preview shows how the XYZ color 20.6585, 18.2547, 4.5325 looks on a white 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 × Fail

Black Background



This preview shows how the XYZ color 20.6585, 18.2547, 4.5325 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 × Fail

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

XYZ 20.6585, 18.2547, 4.5325

Background



This preview shows how black text looks on a background with the XYZ color 20.6585, 18.2547, 4.5325.



This preview shows how white text looks on a background with the XYZ color 20.6585, 18.2547,

4.5325.

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

20.6585, 18.2547, 4.5325

Protanopia

16.7433, 18.3697, 5.1459

Deuteranopia

18.6658, 18.3463, 4.4769



Tritanopia

23.0520, 18.2007, 16.2080

Trichromacy



Original Color

20.6585, 18.2547, 4.5325

Protanomaly

17.9735, 18.1458, 4.9380

Deuteranomaly

19.2854, 18.1751, 4.4992

Tritanomaly

22.0386, 18.2343, 10.5416

Monochromacy



Original Color

20.6585, 18.2547, 4.5325

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

17.2702, 17.2962, 11.8794

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.6585, 18.2547, 4.5325 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(163, 106, 41)` looks like.

```
.text, #text, p{  
    color:rgb(163, 106, 41)  
}
```

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(163, 106, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 106, 41) }
```

Border

The CSS property to change the border of an element to XYZ 20.6585, 18.2547, 4.5325 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(163, 106, 41) }
```


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

```
.border{ border-color:rgb(163, 106, 41) }
```

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

Here you see how a box with a 4 pixel rgb(163, 106, 41) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 106, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 106, 41);  
box-shadow:4px 4px 4px 4px rgb(163, 106,  
41) }
```

Background

The CSS property to change the background color of an element to XYZ 20.6585, 18.2547, 4.5325 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 106, 41) }
```

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

```
.background{ background-color: rgb(163,  
106, 41) }
```

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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