

Converting Colors

XYZ(20.6580, 16.0552, 4.4341)

Have a look what the booklet for
XYZ(20.6580, 16.0552, 4.4341)
contains.

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Color

**XYZ(20.6884, 16.0402,
4.3885)**

Conversions

Conversions Part 1

Format	Color
Hex	AA5A2C
RGB	170, 90, 44
RGB Percent	67%, 35%, 17%
CMY	0.3333, 0.6470, 0.8274
CMYK	0.00, 0.47, 0.74, 0.33
HSL	22°, 59%, 42%
HSV	22°, 74%, 67%
XYZ	20.6884, 16.0402, 4.3885
YIQ	108.6760, 62.4460, 2.6540

Conversions

Conversions Part 2

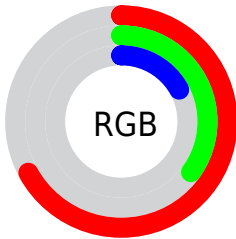
Format	Color
RYB	170, 116, 44
Decimal	11164204
CIELab	47.03, 29.10, 40.10
CIElCh	47, 49.542, 54.029
Yxy	16.0402, 0.5032, 0.3901
Android (android.graphics.Color)	4289354284 (0xFFAA5A2C)
YUV	108.6760, -31.8853, 53.7811
Hunter-Lab	40.0502, 22.1183, 21.5385

Details

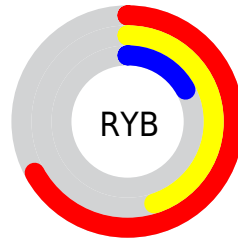
The XYZ color **20.6884, 16.0402, 4.3885** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **15.5016, 17.8521, 40.6589**, and the grayscale version is **14.5195, 15.2756, 16.6351**.

A 20% lighter version of the original color is **44.0898, 36.6455, 14.8747**, and **7.5101, 5.1007, 0.5887** is the 20% darker color. If you saturate the color by 10%, you get **19.5867, 14.2478, 2.7547**, and if you desaturate by 10%, it is **22.0540, 18.1511, 6.7562**.

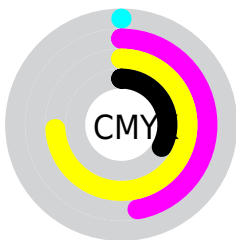
Distribution



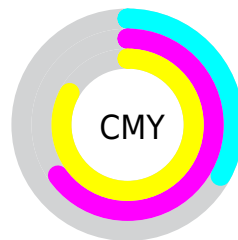
- Red (67%)
- Green (35%)
- Blue (17%)



- Red (67%)
- Yellow (45%)
- Blue (17%)



- Cyan (0%)
- Magenta (47%)
- Yellow (74%)
- Black (33%)





- Cyan (33%)
- Magenta (65%)
- Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.6884, 16.0402, 4.3885 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 20.6884, 16.0402, 4.3885 by changing the saturation by 10% instead.


 20.6884, 16.0402,
4.3885


 20.6884, 16.0402,
4.3885


248.3810,
229.5788, 152.4503


 13.0076, 9.5526,
1.8408


 44.0636, 36.6680,
14.8963


 7.5108, 5.1033,
0.4547


 60.4886, 51.5770,
23.6935

 3.8327, 2.3080,
0.0000


 80.5591, 70.0618,
35.4109

 1.6079, 0.7780,
0.0000

 104.6405, 92.5070,
50.4670

 0.3976, 0.0000,
0.0000

 133.0980,
119.2969, 69.2805

 0.0000, 0.0000,
0.0000

 166.2970,

150.8159, 92.2699

204.6029,
187.4484, 119.8536

■ 20.6884, 16.0402,
4.3885

■ 20.6884, 16.0402,
4.3885

■ 19.5867, 14.2478,
2.7547

■ 22.0540, 18.1511,
6.7562

■ 18.7249, 12.7530,
1.7619

■ 23.7019, 20.5944,
9.9338

■ 18.3039, 11.9988,
1.3513

■ 25.6499, 23.3859,
13.9887

■ 27.9140, 26.5395,
18.9809

■ 30.5088, 30.0685,
24.9650

■ 33.4479, 33.9854,
31.9914

■ 36.7442, 38.3018,
40.1071

■ 40.4098, 43.0292,
49.3561

■ 44.4562, 48.1784,
59.7801

Harmonies

Analogous

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



24.2030, 16.0402, 9.4322



20.6884, 16.0402, 4.3885



16.1299, 16.0402, 2.8517

Triad

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



20.6884, 16.0402, 4.3885



8.3638, 16.0402, 15.0962



18.9005, 16.0402, 49.6278

Complementary

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



20.6884, 16.0402, 4.3885



15.5016, 17.8521, 40.6589

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.



14.3944, 16.0402, 53.6235



20.6884, 16.0402, 4.3885



8.8262, 16.0402, 29.1094

Square

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



20.6884, 16.0402, 4.3885



9.4427, 16.0402, 6.8561



10.8526, 16.0402, 44.8078



23.0413, 16.0402, 35.5886

Rectangle

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



20.6884, 16.0402, 4.3885



13.3119, 16.0402, 3.0294



10.8526, 16.0402, 44.8078



17.3583, 16.0402, 52.4016

Sweetspot

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



20.6888, 16.0411, 4.3888



56.2262, 55.7266, 47.3499



21.2377, 11.8513, 20.8731



12.2442, 12.0313, 9.8662



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



20.6888, 16.0411, 4.3888



34.4755, 24.0297, 3.7075



28.1149, 30.8933, 6.8642



7.7470, 7.9741, 7.9201



13.5138, 8.9249, 1.0104



0.3775, 0.3146, 0.0408

Inverse Universe

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



15.5016, 17.8521, 40.6589



24.4191, 27.2011, 72.9652



10.0665, 6.9818, 38.8472



7.5138, 8.0645, 9.5789



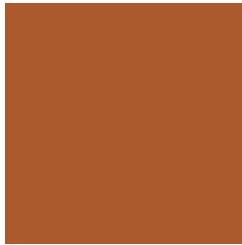
9.3312, 10.1225, 29.4375



0.2732, 0.3386, 0.7316

Previews

White Background



This preview shows how the XYZ color 20.6884, 16.0402, 4.3885 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 20.6884, 16.0402, 4.3885 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

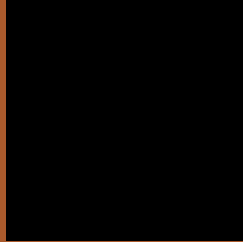
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.6884, 16.0402, 4.3885

Background



This preview shows how black text looks on a background with the XYZ color 20.6884, 16.0402, 4.3885.



This preview shows how white text looks on a background with the XYZ color 20.6884, 16.0402,

4.3885.

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

20.6884, 16.0402, 4.3885

Protanopia

14.7039, 16.1124, 5.4670

Deuteranopia

16.3355, 16.0300, 4.1526



Tritanopia

22.1501, 16.0230, 11.8228

Trichromacy



Original Color

20.6884, 16.0402, 4.3885

Protanomaly

16.4683, 15.7767, 4.9735

Deuteranomaly

17.7199, 15.8537, 4.2240

Tritanomaly

21.4388, 15.9687, 8.4309

Monochromacy



Original Color

20.6884, 16.0402, 4.3885

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

15.7511, 14.9839, 10.6563

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.6884, 16.0402, 4.3885 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(170, 90, 44)` looks like.

```
.text, #text, p{  
    color:rgb(170, 90, 44)  
}
```

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(170, 90, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 90, 44) }
```

Border

The CSS property to change the border of an element to XYZ 20.6884, 16.0402, 4.3885 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(170, 90, 44) }
```


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

```
.border{ border-color:rgb(170, 90, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 90, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 90, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 90, 44);  
box-shadow:4px 4px 4px 4px rgb(170, 90,  
44) }
```

Background

The CSS property to change the background color of an element to XYZ 20.6884, 16.0402, 4.3885 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 90, 44) }
```

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

```
.background{ background-color: rgb(170, 90,  
44) }
```

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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