

Converting Colors

XYZ(21.6503, 15.7939, 4.9479)

Have a look what the booklet for
XYZ(21.6503, 15.7939, 4.9479)
contains.

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Color

**XYZ(21.6505, 15.8010,
4.9264)**

Conversions

Conversions Part 1

Format	Color
Hex	B05432
RGB	176, 84, 50
RGB Percent	69%, 33%, 20%
CMY	0.3098, 0.6706, 0.8039
CMYK	0.00, 0.52, 0.72, 0.31
HSL	16°, 56%, 44%
HSV	16°, 72%, 69%
XYZ	21.6505, 15.8010, 4.9264
YIQ	107.6320, 65.7460, 8.9300

Conversions

Conversions Part 2

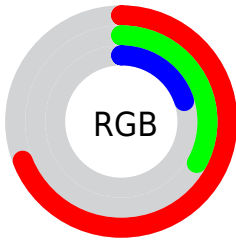
Format	Color
R_{YB}	176, 97, 50
Decimal	11555890
CIE _{Lab}	46.71, 35.05, 36.86
CIE _{LCh}	47, 50.862, 46.441
Yxy	15.8010, 0.5109, 0.3729
Android (android.graphics.Color)	4289745970 (0xFFB05432)
YUV	107.6320, -28.4126, 59.9587
Hunter-Lab	39.7505, 27.6585, 20.4773

Details

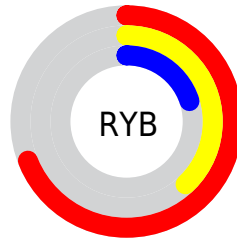
The XYZ color **21.6505, 15.8010, 4.9264** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **18.8241, 23.1571, 44.5516**, and the grayscale version is **14.2154, 14.9557, 16.2867**.

A 20% lighter version of the original color is **45.6008, 36.3230, 16.1629**, and **7.9301, 4.9347, 0.6494** is the 20% darker color. If you saturate the color by 10%, you get **20.4337, 13.8628, 2.9941**, and if you desaturate by 10%, it is **23.1970, 18.1653, 7.6889**.

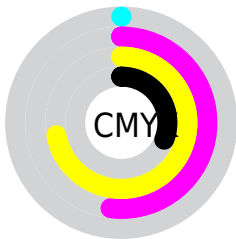
Distribution



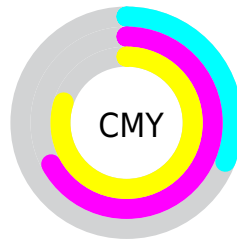
- Red (69%)
- Green (33%)
- Blue (20%)



- Red (69%)
- Yellow (38%)
- Blue (20%)



- Cyan (0%)
- Magenta (52%)
- Yellow (72%)
- Black (31%)





- Cyan (31%)
- Magenta (67%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.6505, 15.8010, 4.9264 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 21.6505, 15.8010, 4.9264 by changing the saturation by 10% instead.


 21.6505, 15.8010,
4.9264


 21.6505, 15.8010,
4.9264


253.3824,
228.1646, 158.0245


 13.7155, 9.3834,
2.1462


 45.6508, 36.2524,
16.0955


 8.0034, 4.9921,
0.6430

 62.4469, 51.0550,
25.3214

 4.1490, 2.2426,
0.0000

 82.9273, 69.4214,
37.5330

 1.7867, 0.7431,
0.0000

 107.4574, 91.7361,
53.1488

 0.5097, 0.0000,
0.0000

 136.4026,
118.3833, 72.5872

 0.0000, 0.0000,
0.0000

 170.1283,

149.7476, 96.2670

208.9998,
186.2132, 124.6066

■ 21.6505, 15.8010,
4.9264

■ 21.6505, 15.8010,
4.9264

■ 20.4337, 13.8628,
2.9941

■ 23.1970, 18.1653,
7.6889

■ 19.5177, 12.3210,
1.7940

■ 25.0963, 20.9776,
11.3626

■ 18.9409, 11.3032,
1.1834

■ 27.3705, 24.2613,
16.0199

■ 30.0396, 28.0373,
21.7256

■ 33.1219, 32.3252,
28.5387

■ 36.6347, 37.1436,
36.5141

■ 40.5942, 42.5100,
45.7027

■ 45.0156, 48.4412,
56.1527

■ 49.9136, 54.9532,
67.9095

Harmonies

Analogous

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



24.7050, 15.8010, 11.2071



21.6505, 15.8010, 4.9264



17.0949, 15.8010, 2.7501

Triad

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



21.6505, 15.8010, 4.9264



8.1926, 15.8010, 12.1171



17.5478, 15.8010, 52.5772

Complementary

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



21.6505, 15.8010, 4.9264



18.8241, 23.1571, 44.5516

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.



13.1172, 15.8010, 53.2456



21.6505, 15.8010, 4.9264



8.2665, 15.8010, 25.0318

Square

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



21.6505, 15.8010, 4.9264



9.6745, 15.8010, 5.3111



9.9012, 15.8010, 41.4781



22.0376, 15.8010, 39.9448

Rectangle

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



21.6505, 15.8010, 4.9264



14.0873, 15.8010, 2.5988



9.9012, 15.8010, 41.4781



15.9896, 15.8010, 54.3649

Sweetspot

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



21.6509, 15.8019, 4.9267



60.2060, 58.8117, 52.0589



23.9576, 13.4764, 27.0873



12.7050, 12.2715, 10.5163



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



21.6509, 15.8019, 4.9267



36.0152, 23.4050, 3.9952



28.8517, 30.2035, 7.3269



8.6768, 8.8661, 8.9065



13.9399, 8.3784, 0.8825



0.4880, 0.3625, 0.0442

Inverse Universe

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



18.8241, 23.1571, 44.5516



30.3837, 37.1366, 80.0620



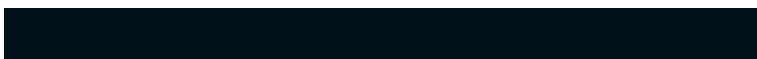
11.9768, 9.4626, 42.2692



8.5448, 9.2359, 10.8387



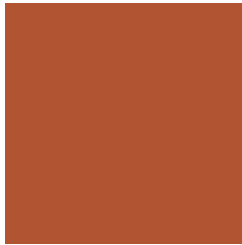
11.5118, 13.8239, 32.1985



0.4074, 0.5253, 1.0282

Previews

White Background



This preview shows how the XYZ color 21.6505, 15.8010, 4.9264 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 21.6505, 15.8010, 4.9264 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 21.6505, 15.8010, 4.9264

Background



This preview shows how black text looks on a background with the XYZ color 21.6505, 15.8010, 4.9264.



This preview shows how white text looks on a background with the XYZ color 21.6505, 15.8010,

4.9264.

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

21.6505, 15.8010, 4.9264

Protanopia

14.6422, 15.8956, 6.4341

Deuteranopia

16.1089, 15.9008, 4.7028



Tritanopia

22.8685, 15.8582, 10.4500

Trichromacy



Original Color

21.6505, 15.8010, 4.9264

Protanomaly

16.5228, 15.3437, 5.8322

Deuteranomaly

17.8297, 15.6160, 4.7638

Tritanomaly

22.2436, 15.6999, 7.9889

Monochromacy



Original Color

21.6505, 15.8010, 4.9264

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

15.8550, 14.5983, 10.9989

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.6505, 15.8010, 4.9264 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(176, 84, 50)` looks like.

```
.text, #text, p{  
    color:rgb(176, 84, 50)  
}
```

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(176, 84, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 84, 50) }
```

Border

The CSS property to change the border of an element to XYZ 21.6505, 15.8010, 4.9264 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(176, 84, 50) }
```


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

```
.border{ border-color:rgb(176, 84, 50) }
```

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

Here you see how a box with a 4 pixel rgb(176, 84, 50) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 84, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 84, 50);  
box-shadow:4px 4px 4px 4px rgb(176, 84,  
50) }
```

Background

The CSS property to change the background color of an element to XYZ 21.6505, 15.8010, 4.9264 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 84, 50) }
```

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

```
.background{ background-color: rgb(176, 84,  
50) }
```

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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