

Converting Colors

XYZ(21.7043, 16.2429, 5.0099)

Have a look what the booklet for
XYZ(21.7043, 16.2429, 5.0099)
contains.

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Color

**XYZ(21.7446, 16.3237,
5.0223)**

Conversions

Conversions Part 1

Format	Color
Hex	AF5832
RGB	175, 88, 50
RGB Percent	69%, 35%, 20%
CMY	0.3137, 0.6549, 0.8039
CMYK	0.00, 0.50, 0.71, 0.31
HSL	18°, 56%, 44%
HSV	18°, 71%, 69%
XYZ	21.7446, 16.3237, 5.0223
YIQ	109.6810, 64.0500, 6.6260

Conversions

Conversions Part 2

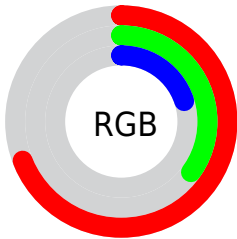
Format	Color
R_{YB}	175, 105, 50
Decimal	11491378
CIE _{Lab}	47.40, 32.54, 37.58
CIE _{LCh}	47, 49.710, 49.107
Yxy	16.3237, 0.5046, 0.3788
Android (android.graphics.Color)	4289681458 (0xFFAF5832)
YUV	109.6810, -29.4227, 57.2848
Hunter-Lab	40.4026, 25.3638, 20.9117

Details

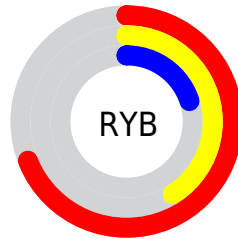
The XYZ color **21.7446, 16.3237, 5.0223** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **17.9981, 21.6629, 43.7898**, and the grayscale version is **14.7988, 15.5695, 16.9552**.

A 20% lighter version of the original color is **45.6982, 37.0092, 16.2902**, and **8.0781, 5.2395, 0.6717** is the 20% darker color. If you saturate the color by 10%, you get **20.5191, 14.3659, 3.0939**, and if you desaturate by 10%, it is **23.2822, 18.6750, 7.7668**.

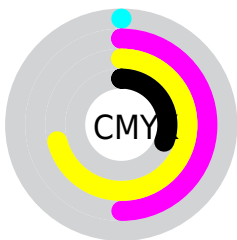
Distribution



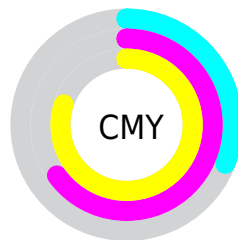
- Red (69%)
- Green (35%)
- Blue (20%)



- Red (69%)
- Yellow (41%)
- Blue (20%)



- Cyan (0%)
- Magenta (50%)
- Yellow (71%)
- Black (31%)





- Cyan (31%)
- Magenta (65%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.7446, 16.3237, 5.0223 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 21.7446, 16.3237, 5.0223 by changing the saturation by 10% instead.


 21.7446, 16.3237,
5.0223


 21.7446, 16.3237,
5.0223


253.8671,
231.2443, 158.9884


 13.7849, 9.7535,
2.2014


 45.8055, 37.1593,
16.3062


 8.0519, 5.2358,
0.6752


 62.6374, 52.1934,
25.6063

 4.1803, 2.3863,
0.0000

 83.1575, 70.8177,
37.9031

 1.8046, 0.8188,
0.0000

 107.7310, 93.4164,
53.6153

 0.5205, 0.0000,
0.0000

 136.7234,
120.3741, 73.1614

 0.0000, 0.0000,
0.0000

 170.5000,

152.0750, 96.9599

209.4261,
188.9036, 125.4294

■ 21.7446, 16.3237,
5.0223

■ 21.7446, 16.3237,
5.0223

■ 20.5191, 14.3659,
3.0939

■ 23.2822, 18.6750,
7.7668

■ 19.5788, 12.7755,
1.8860

■ 25.1532, 21.4386,
11.4068

■ 18.9616, 11.6790,
1.2549

■ 27.3782, 24.6350,
16.0130

■ 29.9755, 28.2825,
21.6487

■ 32.9623, 32.3982,
28.3718

■ 36.3545, 36.9985,
36.2359

■ 40.1671, 42.0987,
45.2910

■ 44.4143, 47.7136,
55.5841

■ 49.1098, 53.8574,
67.1598

Harmonies

Analogous

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



24.9701, 16.3237, 10.9588



21.7446, 16.3237, 5.0223



17.1709, 16.3237, 3.0124

Triad

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



21.7446, 16.3237, 5.0223



8.5973, 16.3237, 13.5738



18.4552, 16.3237, 51.9449

Complementary

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



21.7446, 16.3237, 5.0223



17.9981, 21.6629, 43.7898

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.



13.9695, 16.3237, 53.8046



21.7446, 16.3237, 5.0223



8.8108, 16.3237, 26.9521

Square

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



21.7446, 16.3237, 5.0223



9.9543, 16.3237, 6.1561



10.6060, 16.3237, 43.1296



22.8366, 16.3237, 38.8441

Rectangle

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



21.7446, 16.3237, 5.0223



14.2131, 16.3237, 2.9724



10.6060, 16.3237, 43.1296



16.8944, 16.3237, 54.0796

Sweetspot

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



21.7450, 16.3246, 5.0226



59.0720, 58.0754, 50.8983



23.3710, 13.2157, 25.1744



12.7925, 12.4465, 10.5455



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.



21.7450, 16.3246, 5.0226



35.6714, 23.9277, 4.0888



29.1610, 31.1567, 7.4946



8.1964, 8.3977, 8.4023



13.6277, 8.4608, 0.9148



0.4279, 0.3330, 0.0417

Inverse Universe

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



17.9981, 21.6629, 43.7898



28.3772, 33.7074, 77.6474



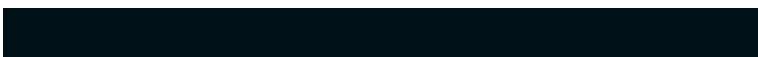
11.5693, 8.8055, 41.6469



8.0277, 8.6548, 10.2001



10.5631, 12.2600, 30.8542



0.3390, 0.4314, 0.8734

Previews

White Background



This preview shows how the XYZ color 21.7446, 16.3237, 5.0223 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 21.7446, 16.3237, 5.0223 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

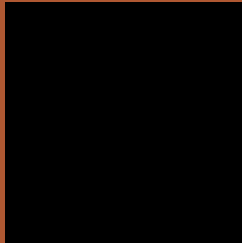
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.7446, 16.3237, 5.0223

Background



This preview shows how black text looks on a background with the XYZ color 21.7446, 16.3237, 5.0223.



This preview shows how white text looks on a background with the XYZ color 21.7446, 16.3237,

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

21.7446, 16.3237, 5.0223

Protanopia

15.1263, 16.4757, 6.3859

Deuteranopia

16.7159, 16.3676, 4.7609



Tritanopia

23.0279, 16.2549, 11.3750

Trichromacy



Original Color

21.7446, 16.3237, 5.0223

Protanomaly

16.9676, 16.0161, 5.8116

Deuteranomaly

18.2071, 16.0919, 4.8357

Tritanomaly

22.4230, 16.2351, 8.6085

Monochromacy



Original Color

21.7446, 16.3237, 5.0223

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

16.3443, 15.2757, 11.3196

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.7446, 16.3237, 5.0223 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(175, 88, 50)` looks like.

```
.text, #text, p{  
    color:rgb(175, 88, 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(175, 88, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 88, 50) }
```

Border

The CSS property to change the border of an element to XYZ 21.7446, 16.3237, 5.0223 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(175, 88, 50) }
```


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

```
.border{ border-color:rgb(175, 88, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 88, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 88, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 88, 50);  
box-shadow:4px 4px 4px 4px rgb(175, 88,  
50) }
```

Background

The CSS property to change the background color of an element to XYZ 21.7446, 16.3237, 5.0223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 88, 50) }
```

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

```
.background{ background-color: rgb(175, 88,  
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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