

Converting Colors

XYZ(21.7349, 16.0125, 2.6070)

Have a look what the booklet for
XYZ(21.7349, 16.0125, 2.6070)
contains.

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Color

**XYZ(21.7349, 16.0125,
2.6070)**

Conversions

Conversions Part 1

Format	Color
Hex	B25514
RGB	178, 85, 20
RGB Percent	70%, 33%, 8%
CMY	0.3020, 0.6666, 0.9216
CMYK	0.00, 0.52, 0.89, 0.30
HSL	25°, 80%, 39%
HSV	25°, 89%, 70%
XYZ	21.7349, 16.0125, 2.6070
YIQ	105.3970, 76.2930, -0.4990

Conversions

Conversions Part 2

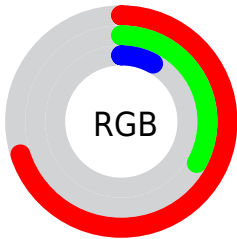
Format	Color
R_{YB}	178, 130, 20
Decimal	11687188
CIE Lab	46.99, 34.24, 50.96
CIE LCh	47, 61.398, 56.100
Yxy	16.0125, 0.5386, 0.3968
Android (android.graphics.Color)	4289877268 (0xFFB25514)
YUV	105.3970, -42.1007, 63.6728
Hunter-Lab	40.0156, 26.9268, 24.1482

Details

The XYZ color **21.7349, 16.0125, 2.6070** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **14.2291, 15.1725, 44.2979**, and the grayscale version is **13.6320, 14.3420, 15.6184**.

A 20% lighter version of the original color is **45.8767, 36.5885, 10.6056**, and **8.1021, 5.1133, 0.5599** is the 20% darker color. If you saturate the color by 10%, you get **20.8563, 14.4383, 1.7509**, and if you desaturate by 10%, it is **22.8425, 17.8752, 4.0634**.

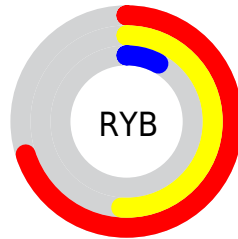
Distribution



Red (70%)

Green (33%)

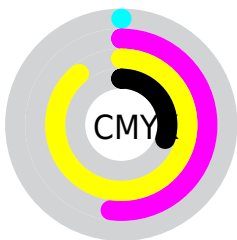
Blue (8%)



Red (70%)

Yellow (51%)

Blue (8%)

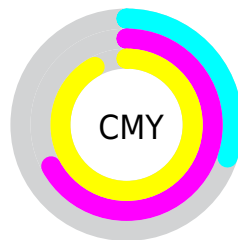


Cyan (0%)

Magenta (52%)

Yellow (89%)

Black (30%)



Cyan (30%)


Magenta (67%)


Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.7349, 16.0125, 2.6070 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 21.7349, 16.0125, 2.6070 by changing the saturation by 10% instead.


 21.7349, 16.0125,
2.6070


 21.7349, 16.0125,
2.6070


253.8172,
229.4155, 131.1861


 13.7777, 9.5330,
0.8961


 45.7896, 36.6199,
10.6422


 8.0469, 5.0904,
0.0000


 62.6178, 51.5166,
17.8052


 4.1770, 2.3004,
0.0000

 83.1338, 69.9878,
27.6231

 1.8028, 0.7739,
0.0000

 107.7029, 92.4179,
40.5146

 0.5193, 0.0000,
0.0000

 136.6904,
119.1914, 56.8980

 0.0000, 0.0000,
0.0000

 170.4617,

150.6925, 77.1921

209.3822,
187.3057, 101.8153

21.7349, 16.0125,
2.6070

21.7349, 16.0125,
2.6070

20.8563, 14.4383,
1.7509

22.8425, 17.8752,
4.0634

20.7579, 14.2606,
1.6585

24.2140, 20.0463,
6.2837

25.8718, 22.5429,
9.3612

27.8352, 25.3800,
13.3752

30.1216, 28.5713,
18.3960

■ 32.7468, 32.1299,
24.4870

■ 35.7256, 36.0678,
31.7065

■ 39.0718, 40.3967,
40.1083

■ 42.7984, 45.1275,
49.7430

Harmonies

Analogous

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



26.5017, 16.0125, 7.3934



21.7349, 16.0125, 2.6070



15.9326, 16.0125, 1.4448

Triad

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



21.7349, 16.0125, 2.6070



7.0677, 16.0125, 15.4999



20.2285, 16.0125, 59.7516

Complementary

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



21.7349, 16.0125, 2.6070



14.2291, 15.1725, 44.2979

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.



14.5278, 16.0125, 66.7032



21.7349, 16.0125, 2.6070



7.7029, 16.0125, 33.9470

Square

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



21.7349, 16.0125, 2.6070



8.1576, 16.0125, 5.5962



10.1565, 16.0125, 55.2952



25.4981, 16.0125, 39.6741

Rectangle

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



21.7349, 16.0125, 2.6070



12.5320, 16.0125, 1.6623



10.1565, 16.0125, 55.2952



18.2658, 16.0125, 64.0694

Sweetspot

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



21.7353, 16.0134, 2.6073



60.0477, 59.1517, 45.9841



21.6933, 11.1986, 17.1778



12.9266, 12.6002, 9.2946



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



21.7353, 16.0134, 2.6073



37.4296, 25.4336, 2.9364



31.4418, 35.4266, 5.8428



8.7740, 9.0604, 8.9389



14.9115, 10.3215, 1.2063



0.5273, 0.4409, 0.0573

Inverse Universe

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



14.2291, 15.1725, 44.2979



23.4586, 23.6011, 79.7002



8.9493, 4.6129, 42.5379



8.4437, 9.0335, 10.8049



9.4104, 9.6211, 31.4981



0.3519, 0.4143, 1.0097

Previews

White Background



This preview shows how the XYZ color 21.7349, 16.0125, 2.6070 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 21.7349, 16.0125, 2.6070 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 21.7349, 16.0125, 2.6070

Background



This preview shows how black text looks on a background with the XYZ color 21.7349, 16.0125, 2.6070.



This preview shows how white text looks on a background with the XYZ color 21.7349, 16.0125,

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

21.7349, 16.0125, 2.6070

Protanopia

14.5962, 16.1031, 3.3758

Deuteranopia

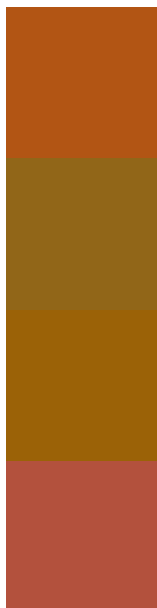
16.3094, 16.0589, 2.2401



Tritanopia

23.2581, 15.9511, 10.4474

Trichromacy



Original Color

21.7349, 16.0125, 2.6070

Protanomaly

16.5933, 15.5884, 2.9985

Deuteranomaly

17.9236, 15.7193, 2.2905

Tritanomaly

22.3751, 15.8055, 6.2863

Monochromacy



Original Color

21.7349, 16.0125, 2.6070

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

15.1194, 14.1353, 8.4101

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.7349, 16.0125, 2.6070 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(178, 85, 20)` looks like.

```
.text, #text, p{  
    color:rgb(178, 85, 20)  
}
```

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(178, 85, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 85, 20) }
```

Border

The CSS property to change the border of an element to XYZ 21.7349, 16.0125, 2.6070 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(178, 85, 20) }
```


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

```
.border{ border-color:rgb(178, 85, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 85, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 85, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 85, 20);  
box-shadow:4px 4px 4px 4px rgb(178, 85,  
20) }
```

Background

The CSS property to change the background color of an element to XYZ 21.7349, 16.0125, 2.6070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 85, 20) }
```

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

```
.background{ background-color: rgb(178, 85,  
20) }
```

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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