

Converting Colors

XYZ(21.0881, 16.2782, 0.0000)

Have a look what the booklet for
XYZ(21.0881, 16.2782, 0.0000)
contains.

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Color

**XYZ(21.4769, 16.3749,
2.0287)**

Conversions

Conversions Part 1

Format	Color
Hex	B05900
RGB	176, 89, 0
RGB Percent	69%, 35%, 0%
CMY	0.3098, 0.6510, 1.0000
CMYK	0.00, 0.49, 1.00, 0.31
HSL	30°, 100%, 35%
HSV	30°, 100%, 69%
XYZ	21.4769, 16.3749, 2.0287
YIQ	104.8670, 80.4210, -9.2350

Conversions

Conversions Part 2

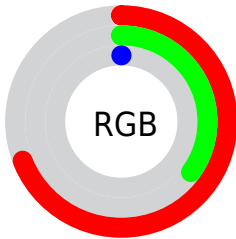
Format	Color
RYB	172, 176, 0
Decimal	11557120
CIELab	47.46, 31.00, 56.40
CIELCh	47, 64.354, 61.206
Yxy	16.3749, 0.5385, 0.4106
Android (android.graphics.Color)	4289747200 (0xFFB05900)
YUV	104.8670, -51.6994, 62.3836
Hunter-Lab	40.4659, 23.9218, 25.3537

Details

The XYZ color **21.4769, 16.3749, 2.0287** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **11.2444, 9.9506, 42.4020**, and the grayscale version is **13.5122, 14.2159, 15.4811**.

A 20% lighter version of the original color is **45.4536, 37.2596, 9.0711**, and **7.9954, 5.2989, 0.6014** is the 20% darker color. If you saturate the color by 10%, you get **21.4771, 16.3755, 2.0288**, and if you desaturate by 10%, it is **22.3505, 17.9528, 2.8427**.

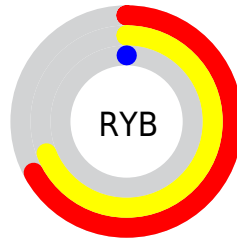
Distribution



Red (69%)

Green (35%)

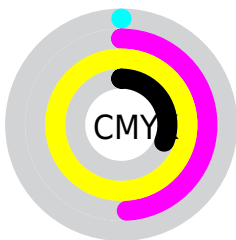
Blue (0%)



Red (67%)

Yellow (69%)

Blue (0%)

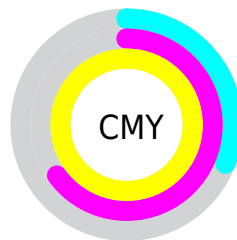


Cyan (0%)

Magenta (49%)

Yellow (100%)

Black (31%)



Cyan (31%)

Magenta (65%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.4769, 16.3749, 2.0287 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 21.4769, 16.3749, 2.0287 by changing the saturation by 10% instead.

■ 21.4769, 16.3749,
2.0287

■ 21.4769, 16.3749,
2.0287

■ 252.4862,
231.5439, 122.8208

■ 13.5875, 9.7898,
0.5728

■ 45.3652, 37.2478,
9.1191

■ 7.9141, 5.2598,
0.0000

■ 62.0948, 52.3045,
15.6413

■ 4.0914, 2.4005,
0.0000

■ 82.5019, 70.9538,
24.7063

■ 1.7540, 0.8262,
0.0000

■ 106.9517, 93.5801,
36.7325

■ 0.4897, 0.0000,
0.0000


■ 135.8097,
120.5679, 52.1385


■ 0.0000, 0.0000,
0.0000


■ 169.4412,


152.3015, 71.3429


 208.2116,
189.1654, 94.7641


 21.4769, 16.3749,
2.0287


 21.4769, 16.3749,
2.0287


 21.4771, 16.3755,
2.0288

 22.3505, 17.9528,
2.8427

 23.4066, 19.7444,
4.1834

 24.6851, 21.7706,
6.2456

 26.2058, 24.0436,
9.1211

 27.9857, 26.5741,
12.8876

■ 30.0402, 29.3721,
17.6139

■ 32.3831, 32.4469,
23.3619

■ 35.0273, 35.8070,
30.1880

■ 37.9848, 39.4607,
38.1448

Harmonies

Analogous

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



26.9764, 16.3749, 5.9924



21.4769, 16.3749, 2.0287



15.3338, 16.3749, 1.2467

Triad

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



21.4769, 16.3749, 2.0287



6.9622, 16.3749, 18.4998



21.9771, 16.3749, 60.5421

Complementary

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



21.4769, 16.3749, 2.0287



11.2444, 9.9506, 42.4020

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.



15.7962, 16.3749, 71.4009



21.4769, 16.3749, 2.0287



7.9323, 16.3749, 39.6003

Square

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



21.4769, 16.3749, 2.0287



7.7857, 16.3749, 6.5641



10.8499, 16.3749, 62.0502



27.3114, 16.3749, 37.6800

Rectangle

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



21.4769, 16.3749, 2.0287



11.9190, 16.3749, 1.6430



10.8499, 16.3749, 62.0502



19.8849, 16.3749, 66.1793

Sweetspot

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



21.4773, 16.3758, 2.0290



58.4952, 58.5415, 41.7732



19.6659, 9.9347, 10.1140



12.2868, 12.1792, 8.0833



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.



21.4773, 16.3758, 2.0290



38.7251, 29.2449, 3.6038



33.4296, 40.2805, 6.0131



8.8397, 9.1918, 8.9608



15.8169, 12.1324, 1.5081



0.5559, 0.4983, 0.0669

Inverse Universe

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



11.2444, 9.9506, 42.4020



20.1672, 17.5939, 76.8283



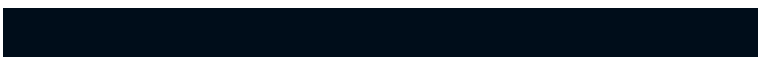
7.8365, 3.1347, 41.2660



8.3773, 8.9007, 10.7828



8.3086, 7.4175, 31.1308



0.3198, 0.3502, 0.9990

Previews

White Background



This preview shows how the XYZ color 21.4769, 16.3749, 2.0287 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 21.4769, 16.3749, 2.0287 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 21.4769, 16.3749, 2.0287

Background



This preview shows how black text looks on a background with the XYZ color 21.4769, 16.3749, 2.0287.



This preview shows how white text looks on a background with the XYZ color 21.4769, 16.3749,

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

21.4769, 16.3749, 2.0287

Protanopia

15.0056, 16.6583, 2.8764

Deuteranopia

16.6903, 16.5648, 2.3176



Tritanopia

23.4451, 16.4748, 11.1768

Trichromacy



Original Color

21.4769, 16.3749, 2.0287

Protanomaly

16.7834, 16.1448, 2.5188

Deuteranomaly

18.1712, 16.2759, 2.1838

Tritanomaly

22.3224, 16.2475, 5.7009

Monochromacy



Original Color

21.4769, 16.3749, 2.0287

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

14.8350, 14.1542, 7.2603

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4769, 16.3749, 2.0287 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, 89, 0)` looks like.

```
.text, #text, p{  
    color:rgb(176, 89, 0)  
}
```

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, 89, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 89, 0) }
```

Border

The CSS property to change the border of an element to XYZ 21.4769, 16.3749, 2.0287 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, 89, 0) }
```


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

```
.border{ border-color:rgb(176, 89, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 89, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 89, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 89, 0);  
box-shadow:4px 4px 4px 4px rgb(176, 89, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 21.4769, 16.3749, 2.0287 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 89, 0) }
```

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

```
.background{ background-color: rgb(176, 89,  
0) }
```

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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