

Converting Colors

XYZ(21.4776, 16.1124, 2.8422)

Have a look what the booklet for
XYZ(21.4776, 16.1124, 2.8422)
contains.

XYZ(21.4776, 16.1124, 2.8422)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(21.4776, 16.1124,
2.8422)**

Conversions

Conversions Part 1

Format	Color
Hex	B05718
RGB	176, 87, 24
RGB Percent	69%, 34%, 9%
CMY	0.3098, 0.6588, 0.9059
CMYK	0.00, 0.51, 0.86, 0.31
HSL	25°, 76%, 39%
HSV	25°, 86%, 69%
XYZ	21.4776, 16.1124, 2.8422
YIQ	106.4290, 73.2670, -0.7250

Conversions

Conversions Part 2

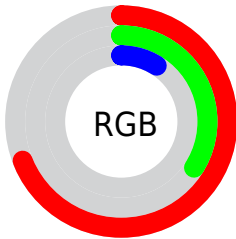
Format	Color
RYB	176, 132, 24
Decimal	11556632
CIELab	47.12, 32.47, 49.50
CIELCh	47, 59.201, 56.738
Yxy	16.1124, 0.5312, 0.3985
Android (android.graphics.Color)	4289746712 (0xFFB05718)
YUV	106.4290, -40.6375, 61.0138
Hunter-Lab	40.1403, 25.2635, 23.9000

Details

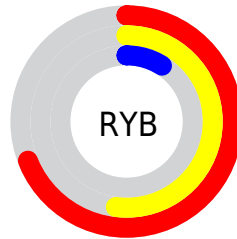
The XYZ color **21.4776, 16.1124, 2.8422** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **14.1180, 15.1385, 43.2521**, and the grayscale version is **13.9122, 14.6367, 15.9394**.

A 20% lighter version of the original color is **45.2496, 36.6759, 11.1728**, and **8.0292, 5.1681, 0.5744** is the 20% darker color. If you saturate the color by 10%, you get **20.5725, 14.5100, 1.9003**, and if you desaturate by 10%, it is **22.6187, 18.0012, 4.4359**.

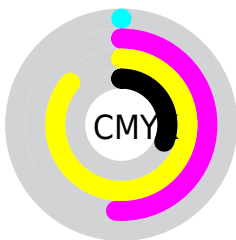
Distribution



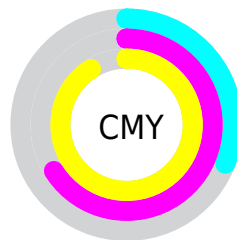
- Red (69%)
- Green (34%)
- Blue (9%)



- Red (69%)
- Yellow (52%)
- Blue (9%)



- Cyan (0%)
- Magenta (51%)
- Yellow (86%)
- Black (31%)



- Cyan (31%)
- Magenta (66%)
- Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.4776, 16.1124, 2.8422 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 21.4776, 16.1124, 2.8422 by changing the saturation by 10% instead.

■ 21.4776, 16.1124,
2.8422

■ 21.4776, 16.1124,
2.8422

252.4899,
230.0041, 134.3247

■ 13.5880, 9.6037,
1.0146

■ 45.3664, 36.7932,
11.2365

■ 7.9145, 5.1370,
0.0000

■ 62.0962, 51.7342,
18.6403

■ 4.0916, 2.3279,
0.0000

■ 82.5036, 70.2547,
28.7400

■ 1.7541, 0.7884,
0.0000

■ 106.9538, 92.7391,
41.9540


■ 0.4898, 0.0000,
0.0000


■ 135.8121,
119.5718, 58.7010


■ 0.0000, 0.0000,
0.0000


■ 169.4440,


151.1373, 79.3994


 208.2148,
187.8199, 104.4678


 21.4776, 16.1124,
2.8422


 21.4776, 16.1124,
2.8422


 20.5725, 14.5100,
1.9003


 22.6187, 18.0012,
4.4359

 20.2838, 13.9888,
1.6310

 24.0212, 20.1920,
6.7967

 25.7060, 22.7011,
10.0116

 27.6914, 25.5425,
14.1554

 29.9938, 28.7292,
19.2945

■ 32.6283, 32.2736,
25.4893

■ 35.6089, 36.1872,
32.7953

■ 38.9487, 40.4809,
41.2640

■ 42.6602, 45.1653,
50.9438

Harmonies

Analogous

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



26.0894, 16.1124, 7.5580



21.4776, 16.1124, 2.8422



15.8902, 16.1124, 1.6734

Triad

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



21.4776, 16.1124, 2.8422



7.3450, 16.1124, 15.9645



20.2667, 16.1124, 57.5452

Complementary

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



21.4776, 16.1124, 2.8422



14.1180, 15.1385, 43.2521

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.



14.7525, 16.1124, 64.4609



21.4776, 16.1124, 2.8422



8.0090, 16.1124, 33.8343

Square

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



21.4776, 16.1124, 2.8422



8.3840, 16.1124, 6.0601



10.4598, 16.1124, 54.0232



25.2864, 16.1124, 38.3971

Rectangle

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



21.4776, 16.1124, 2.8422



12.6120, 16.1124, 1.9290



10.4598, 16.1124, 54.0232



18.3776, 16.1124, 61.7227

Sweetspot

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



21.4780, 16.1133, 2.8425



59.1299, 58.4709, 46.1155



21.3372, 11.1259, 17.3033



12.4509, 12.1866, 9.1271



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.



21.4780, 16.1133, 2.8425



36.5766, 24.9477, 2.8876



30.7793, 34.7159, 5.9429



8.7761, 9.0647, 8.9396



14.9376, 10.3738, 1.2150



0.5281, 0.4427, 0.0576

Inverse Universe

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



14.1180, 15.1385, 43.2521



22.7895, 22.8385, 77.7024



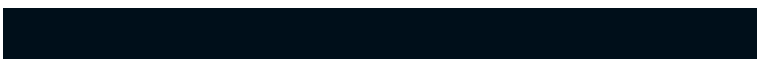
8.9454, 4.7932, 41.5279



8.4415, 9.0292, 10.8042



9.3708, 9.5419, 31.4849



0.3508, 0.4120, 1.0093

Previews

White Background



This preview shows how the XYZ color 21.4776, 16.1124, 2.8422 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 21.4776, 16.1124, 2.8422 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 21.4776, 16.1124, 2.8422

Background



This preview shows how black text looks on a background with the XYZ color 21.4776, 16.1124, 2.8422.



This preview shows how white text looks on a background with the XYZ color 21.4776, 16.1124,

2.8422.

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

21.4776, 16.1124, 2.8422

Protanopia

14.7566, 16.3448, 3.6734

Deuteranopia

16.4678, 16.2881, 2.5631



Tritanopia

23.0228, 16.0380, 10.8990

Trichromacy



Original Color

21.4776, 16.1124, 2.8422

Protanomaly

16.6615, 15.9138, 3.2921

Deuteranomaly

17.9698, 16.0189, 2.5968

Tritanomaly

22.1501, 15.9038, 6.7528

Monochromacy



Original Color

21.4776, 16.1124, 2.8422

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

15.1264, 14.2708, 8.7948

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4776, 16.1124, 2.8422 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, 87, 24)` looks like.

```
.text, #text, p{  
    color:rgb(176, 87, 24)  
}
```

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, 87, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 87, 24) }
```

Border

The CSS property to change the border of an element to XYZ 21.4776, 16.1124, 2.8422 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, 87, 24) }
```


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

```
.border{ border-color:rgb(176, 87, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 87, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 87, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 87, 24);  
box-shadow:4px 4px 4px 4px rgb(176, 87,  
24) }
```

Background

The CSS property to change the background color of an element to XYZ 21.4776, 16.1124, 2.8422 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 87, 24) }
```

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

```
.background{ background-color: rgb(176, 87,  
24) }
```

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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