

Converting Colors

XYZ(21.3622, 16.1623, 1.9937)

Have a look what the booklet for
XYZ(21.3622, 16.1623, 1.9937)
contains.

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Color

**XYZ(21.3942, 16.2096,
2.0012)**

Conversions

Conversions Part 1

Format	Color
Hex	B05800
RGB	176, 88, 0
RGB Percent	69%, 35%, 0%
CMY	0.3098, 0.6549, 1.0000
CMYK	0.00, 0.50, 1.00, 0.31
HSL	30°, 100%, 35%
HSV	30°, 100%, 69%
XYZ	21.3942, 16.2096, 2.0012
YIQ	104.2800, 80.6960, -8.7120

Conversions

Conversions Part 2

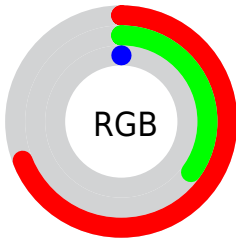
Format	Color
R _Y B	176, 176, 0
Decimal	11556864
CIE Lab	47.25, 31.53, 56.27
CIE LCh	47, 64.500, 60.737
Yxy	16.2096, 0.5402, 0.4093
Android (android.graphics.Color)	4289746944 (0xFFB05800)
YUV	104.2800, -51.4100, 62.8984
Hunter-Lab	40.2611, 24.3953, 25.2358

Details

The XYZ color **21.3942, 16.2096, 2.0012** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **11.3260, 10.1138, 42.4290**, and the grayscale version is **13.3525, 14.0478, 15.2981**.

A 20% lighter version of the original color is **45.3081, 36.9686, 9.0226**, and **7.9613, 5.2306, 0.5900** is the 20% darker color. If you saturate the color by 10%, you get **21.3943, 16.2100, 2.0012**, and if you desaturate by 10%, it is **22.2670, 17.7859, 2.8149**.

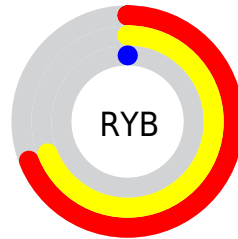
Distribution



Red (69%)

Green (35%)

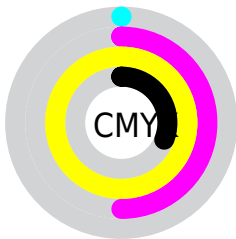
Blue (0%)



Red (69%)

Yellow (69%)

Blue (0%)

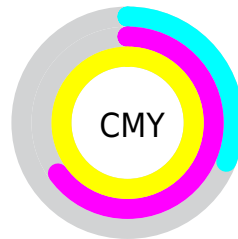


Cyan (0%)

Magenta (50%)

Yellow (100%)

Black (31%)



Cyan (31%)


Magenta (65%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.3942, 16.2096, 2.0012 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 21.3942, 16.2096, 2.0012 by changing the saturation by 10% instead.


 21.3942, 16.2096,
2.0012


 21.3942, 16.2096,
2.0012


 252.0583,
230.5754, 122.3954


 13.5266, 9.6726,
0.5560


 45.2290, 36.9617,
9.0441


 7.8716, 5.1824,
0.0000


 61.9269, 51.9456,
15.5338


 4.0640, 2.3547,
0.0000

 82.2989, 70.5139,
24.5603

 1.7384, 0.8024,
0.0000

 106.7104, 93.0510,
36.5423


 0.4801, 0.0000,
0.0000


 135.5268,
119.9413, 51.8983


 0.0000, 0.0000,
0.0000


 169.1133,


151.5692, 71.0468


 207.8354,
188.3191, 94.4063


 21.3942, 16.2096,
2.0012


 21.3942, 16.2096,
2.0012


 21.3943, 16.2100,
2.0012

 22.2670, 17.7859,
2.8149

 23.3242, 19.5795,
4.1560

 24.6055, 21.6114,
6.2193

 26.1310, 23.8940,
9.0964

 27.9178, 26.4383,
12.8653

■ 29.9812, 29.2543,
17.5947

■ 32.3354, 32.3514,
23.3464

■ 34.9931, 35.7386,
30.1771

■ 37.9665, 39.4242,
38.1392

Harmonies

Analogous

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



26.8468, 16.2096, 5.9944



21.3942, 16.2096, 2.0012



15.2666, 16.2096, 1.2038

Triad

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



21.3942, 16.2096, 2.0012



6.8552, 16.2096, 18.0552



21.6987, 16.2096, 60.5720

Complementary

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



21.3942, 16.2096, 2.0012



11.3260, 10.1138, 42.4290

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.



15.5477, 16.2096, 71.1364



21.3942, 16.2096, 2.0012



7.7894, 16.2096, 38.9819

Square

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



21.3942, 16.2096, 2.0012



7.7005, 16.2096, 6.3403



10.6557, 16.2096, 61.4926



27.0509, 16.2096, 37.8112

Rectangle

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



21.3942, 16.2096, 2.0012



11.8502, 16.2096, 1.5747



10.6557, 16.2096, 61.4926



19.6120, 16.2096, 66.1271

Sweetspot

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



21.3946, 16.2105, 2.0015



58.4073, 58.3658, 41.7439



19.6659, 9.9347, 10.1141



12.2659, 12.1373, 8.0763



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.



21.3946, 16.2105, 2.0015



38.5757, 28.9461, 3.5540



33.4295, 40.2803, 6.0131



8.8357, 9.1839, 8.9595



15.7561, 12.0108, 1.4879



0.5541, 0.4946, 0.0663

Inverse Universe

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



11.3260, 10.1138, 42.4290



20.3145, 17.8885, 76.8774



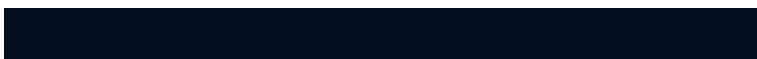
7.8365, 3.1347, 41.2658



8.3812, 8.9087, 10.7841



8.3686, 7.5375, 31.1508



0.3217, 0.3538, 0.9996

Previews

White Background



This preview shows how the XYZ color 21.3942, 16.2096, 2.0012 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 21.3942, 16.2096, 2.0012 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 21.3942, 16.2096, 2.0012

Background



This preview shows how black text looks on a background with the XYZ color 21.3942, 16.2096, 2.0012.



This preview shows how white text looks on a background with the XYZ color 21.3942, 16.2096,

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

21.3942, 16.2096, 2.0012

Protanopia

14.7437, 16.3568, 2.8320

Deuteranopia

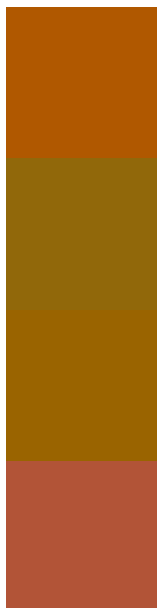
16.4130, 16.2662, 2.2746



Tritanopia

23.3280, 16.3064, 10.9348

Trichromacy



Original Color

21.3942, 16.2096, 2.0012

Protanomaly

16.6822, 15.9423, 2.4851

Deuteranomaly

17.8836, 15.9844, 2.1427

Tritanomaly

22.2200, 16.0815, 5.5473

Monochromacy



Original Color

21.3942, 16.2096, 2.0012

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

14.5570, 13.8745, 7.0651

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.3942, 16.2096, 2.0012 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, 88, 0)` looks like.

```
.text, #text, p{  
    color:rgb(176, 88, 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, 88, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 88, 0) }
```

Border

The CSS property to change the border of an element to XYZ 21.3942, 16.2096, 2.0012 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, 88, 0) }
```


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

```
.border{ border-color:rgb(176, 88, 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, 88, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 88, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 88, 0);  
box-shadow:4px 4px 4px 4px rgb(176, 88, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 21.3942, 16.2096, 2.0012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 88, 0) }
```

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

```
.background{ background-color: rgb(176, 88,  
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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