

Converting Colors

XYZ(20.4612, 16.5681, 2.5394)

Have a look what the booklet for
XYZ(20.4612, 16.5681, 2.5394)
contains.

XYZ(20.5337, 16.6511, 2.5472)	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>	30

Color

**XYZ(20.5337, 16.6511,
2.5472)**

Conversions

Conversions Part 1

Format	Color
Hex	A95F0E
RGB	169, 95, 14
RGB Percent	66%, 37%, 5%
CMY	0.3373, 0.6274, 0.9451
CMYK	0.00, 0.44, 0.92, 0.34
HSL	31°, 85%, 36%
HSV	31°, 92%, 66%
XYZ	20.5337, 16.6511, 2.5472
YIQ	107.8920, 70.1050, -9.5030

Conversions

Conversions Part 2

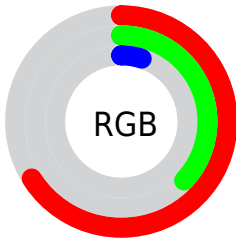
Format	Color
R _Y B	156, 169, 14
Decimal	11099918
CIE Lab	47.82, 24.94, 52.83
CIE LCh	48, 58.422, 64.727
Yxy	16.6511, 0.5168, 0.4191
Android (android.graphics.Color)	4289289998 (0xFFA95F0E)
YUV	107.8920, -46.2888, 53.5917
Hunter-Lab	40.8058, 18.4122, 24.8630

Details

The XYZ color **20.5337, 16.6511, 2.5472** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **10.8322, 9.9372, 38.8832**, and the grayscale version is **14.3360, 15.0826, 16.4249**.

A 20% lighter version of the original color is **43.6354, 37.6331, 10.4329**, and **7.6125, 5.4934, 0.6591** is the 20% darker color. If you saturate the color by 10%, you get **19.8781, 15.4670, 1.9377**, and if you desaturate by 10%, it is **21.4657, 18.2484, 3.6806**.

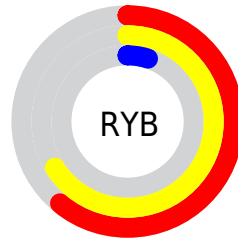
Distribution



Red (66%)

Green (37%)

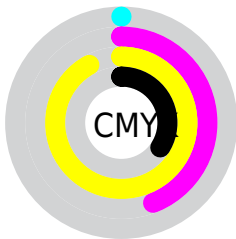
Blue (5%)



Red (61%)

Yellow (66%)

Blue (5%)

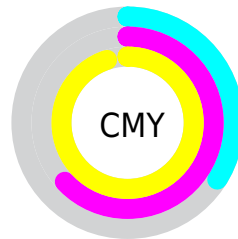


Cyan (0%)

Magenta (44%)

Yellow (92%)

Black (34%)



Cyan (34%)

Magenta (63%)

Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.5337, 16.6511, 2.5472 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 20.5337, 16.6511, 2.5472 by changing the saturation by 10% instead.

■ 20.5337, 16.6511,
2.5472

■ 20.5337, 16.6511,
2.5472

247.5688,
233.1537, 130.3664

■ 12.8941, 9.9860,
0.8650

■ 43.8073, 37.7249,
10.4890

■ 7.4322, 5.3897,
0.0000

■ 60.1721, 52.9025,
17.5892

■ 3.7825, 2.4777,
0.0000

■ 80.1759, 71.6863,
27.3334

■ 1.5799, 0.8654,
0.0000

■ 104.1842, 94.4608,
40.1404

■ 0.3792, 0.0000,
0.0000

■ 132.5622,
121.6104, 56.4287

■ 0.0000, 0.0000,
0.0000

■ 165.6754,

153.5195, 76.6168

■ 203.8892,
190.5725, 101.1231

■ 20.5337, 16.6511,
2.5472

■ 20.5337, 16.6511,
2.5472

■ 19.8781, 15.4670,
1.9377

■ 21.4657, 18.2484,
3.6806

■ 22.5914, 20.0464,
5.4538

■ 23.9294, 22.0567,
7.9523

■ 25.4953, 24.2886,
11.2483

■ 27.3028, 26.7508,
15.4048

■ 29.3645, 29.4513,
20.4787

■ 31.6920, 32.3977,
26.5220

■ 34.2960, 35.5970,
33.5825

■ 37.1867, 39.0561,
41.7049

Harmonies

Analogous

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



25.6449, 16.6511, 6.1531



20.5337, 16.6511, 2.5472



15.0099, 16.6511, 1.8925

Triad

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



20.5337, 16.6511, 2.5472



7.7539, 16.6511, 20.6156



22.2938, 16.6511, 53.7300

Complementary

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



20.5337, 16.6511, 2.5472



10.8322, 9.9372, 38.8832

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.



16.6719, 16.6511, 64.8275



20.5337, 16.6511, 2.5472



8.9012, 16.6511, 40.0595

Square

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



20.5337, 16.6511, 2.5472



8.3469, 16.6511, 8.3843



11.8998, 16.6511, 58.7910



26.8084, 16.6511, 33.4660

Rectangle

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



20.5337, 16.6511, 2.5472



11.9720, 16.6511, 2.5159



11.8998, 16.6511, 58.7910



20.4302, 16.6511, 59.0465

Sweetspot

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



20.5341, 16.6520, 2.5475



53.8767, 54.3924, 39.9600



18.3190, 9.4691, 10.2955



11.3831, 11.3940, 7.7935



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



20.5341, 16.6520, 2.5475



35.3897, 27.2785, 3.4000



30.0806, 36.5596, 5.8869



7.8433, 8.1666, 7.9522



14.8691, 11.6354, 1.4622



0.4125, 0.3846, 0.0525

Inverse Universe

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



10.8322, 9.9372, 38.8832



17.8462, 15.1712, 69.2128



7.5424, 3.2941, 37.7743



7.4162, 7.8692, 9.5464



7.5657, 6.5917, 28.8491



0.2356, 0.2634, 0.7191

Previews

White Background



This preview shows how the XYZ color 20.5337, 16.6511, 2.5472 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 20.5337, 16.6511, 2.5472 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 20.5337, 16.6511, 2.5472

Background



This preview shows how black text looks on a background with the XYZ color 20.5337, 16.6511, 2.5472.



This preview shows how white text looks on a background with the XYZ color 20.5337, 16.6511,

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

20.5337, 16.6511, 2.5472

Protanopia

15.0457, 16.6743, 3.0873

Tritanopia

22.5685, 16.5763, 12.8365

Trichromacy



Original Color

20.5337, 16.6511, 2.5472

Protanomaly

16.6946, 16.3987, 2.8576

Tritanomaly

21.5190, 16.5334, 7.2114

Monochromacy



Original Color

20.5337, 16.6511, 2.5472

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

15.2922, 14.9407, 8.5564

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.5337, 16.6511, 2.5472 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(169, 95, 14)` looks like.

```
.text, #text, p{  
    color:rgb(169, 95, 14)  
}
```

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(169, 95, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 95, 14) }
```

Border

The CSS property to change the border of an element to XYZ 20.5337, 16.6511, 2.5472 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(169, 95, 14) }
```

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

```
.border{ border-color:rgb(169, 95, 14) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 95, 14)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 95, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 95, 14);  
box-shadow:4px 4px 4px 4px rgb(169, 95,  
14) }
```


Background

The CSS property to change the background color of an element to XYZ 20.5337, 16.6511, 2.5472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 95, 14) }
```

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

```
.background{ background-color: rgb(169, 95,  
14) }
```

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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