

Converting Colors

XYZ(10.0455, 11.0287, 2.3795)

Have a look what the booklet for
XYZ(10.0455, 11.0287, 2.3795)
contains.

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Color

**XYZ(10.0030, 10.9508,
2.3456)**

Conversions

Conversions Part 1

Format	Color
Hex	6A5D16
RGB	106, 93, 22
RGB Percent	42%, 36%, 9%
CMY	0.5843, 0.6353, 0.9137
CMYK	0.00, 0.12, 0.79, 0.58
HSL	51°, 66%, 25%
HSV	51°, 79%, 42%
XYZ	10.0030, 10.9508, 2.3456
YIQ	88.7930, 30.5390, -19.3250

Conversions

Conversions Part 2

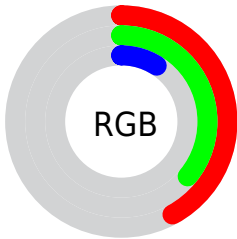
Format	Color
R_{YB}	37, 106, 22
Decimal	6970646
CIE _{Lab}	39.50, -3.15, 40.04
CIE _{LCh}	39, 40.159, 94.494
Yxy	10.9508, 0.4293, 0.4700
Android (android.graphics.Color)	4285160726 (0xFF6A5D16)
YUV	88.7930, -32.9289, 15.0905
Hunter-Lab	33.0920, -3.9543, 18.9618

Details

The XYZ color **10.0030, 10.9508, 2.3456** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **3.5335, 2.4132, 13.9150**, and the grayscale version is **9.5157, 10.0113, 10.9023**.

A 20% lighter version of the original color is **25.4570, 27.5734, 9.9417**, and **2.6474, 2.8738, 0.4152** is the 20% darker color. If you saturate the color by 10%, you get **9.7787, 10.6336, 1.8661**, and if you desaturate by 10%, it is **10.2729, 11.2920, 3.0480**.

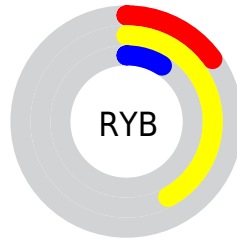
Distribution



Red (42%)

Green (36%)

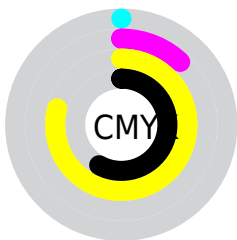
Blue (9%)



Red (15%)

Yellow (42%)

Blue (9%)

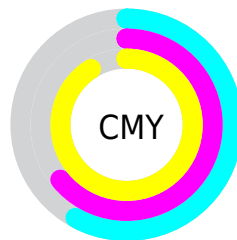


Cyan (0%)

Magenta (12%)

Yellow (79%)

Black (58%)



Cyan (58%)

Magenta (64%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.0030, 10.9508, 2.3456 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 10.0030, 10.9508, 2.3456 by changing the saturation by 10% instead.

■ 10.0030, 10.9508,
2.3456

■ 10.0030, 10.9508,
2.3456

184.7466,
197.3297, 127.5315

■ 5.4632, 6.0338,
0.7566

■ 25.4508, 27.5692,
9.9658

■ 2.5591, 2.8656,
0.0000

■ 37.0895, 40.0393,
16.8486

■ 0.9251, 1.0620,
0.0000

■ 51.8252, 55.7958,
26.3379

■ 0.0000, 0.0000,
0.0000


■ 70.0233, 75.2233,
38.8523


■ 92.0492, 98.7060,
54.8103


■ 118.2681,


126.6284, 74.6305


 149.0455,
159.3748, 98.7314


 10.0030, 10.9508,
2.3456


 10.0030, 10.9508,
2.3456


 9.7787, 10.6336,
1.8661


 10.2729, 11.2920,
3.0480


 9.5810, 10.3316,
1.5123

 10.5923, 11.6576,
3.9970

 9.5662, 10.3089,
1.4856

 10.9655, 12.0496,
5.2137

 11.3961, 12.4697,
6.7171

 11.8873, 12.9191,
8.5243

■ 12.4422, 13.3990,
10.6510

■ 13.0636, 13.9107,
13.1119

■ 13.7540, 14.4551,
15.9208

■ 14.5161, 15.0333,
19.0907

Harmonies

Analogous

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



12.8328, 10.9508, 2.8583



10.0030, 10.9508, 2.3456



7.7130, 10.9508, 3.3367

Triad

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



10.0030, 10.9508, 2.3456



6.6582, 10.9508, 22.6068



15.8927, 10.9508, 19.6268

Complementary

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



10.0030, 10.9508, 2.3456



3.5335, 2.4132, 13.9150

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.



13.6684, 10.9508, 29.0706



10.0030, 10.9508, 2.3456



8.3104, 10.9508, 31.2542

Square

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



10.0030, 10.9508, 2.3456



6.0083, 10.9508, 13.1391



10.8246, 10.9508, 34.0261



16.5578, 10.9508, 10.7854

Rectangle

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



10.0030, 10.9508, 2.3456



6.6976, 10.9508, 5.1570



10.8246, 10.9508, 34.0261



15.2856, 10.9508, 22.9409

Sweetspot

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



10.0033, 10.9513, 2.3458



21.2947, 23.0526, 16.5983



6.5492, 3.7655, 2.0509



4.9298, 5.3490, 3.6655



52.6788, 55.4222, 60.3547



5.6320, 5.9254, 6.4527

Same Dimension

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



10.0033, 10.9513, 2.3458



16.8844, 18.2228, 2.8252



8.4407, 11.9856, 2.6278



3.2953, 3.5078, 3.3208



11.8527, 12.7550, 1.8373



59.8808, 63.9652, 9.1905

Inverse Universe

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



3.5335, 2.4132, 13.9150



5.0467, 2.6603, 24.1785



4.2039, 2.2927, 13.8564



2.9828, 3.0939, 3.8748



3.4473, 1.7289, 17.0743



17.1401, 7.9587, 86.8590

Previews

White Background



This preview shows how the XYZ color 10.0030, 10.9508, 2.3456 looks on a white background.

Color Contrast Check

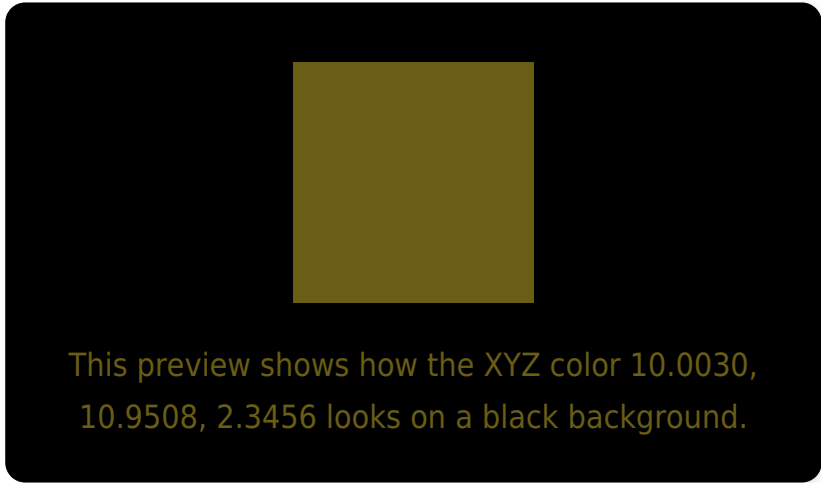
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 10.0030, 10.9508, 2.3456

Background



This preview shows how black text looks on a background with the XYZ color 10.0030, 10.9508, 2.3456.



This preview shows how white text looks on a background with the XYZ color 10.0030, 10.9508,

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

10.0030, 10.9508, 2.3456

Protanopia

9.8849, 10.8899, 2.3400

Deuteranopia

10.9907, 10.8273, 2.3748



Tritanopia

11.9395, 10.9862, 11.8472

Trichromacy



Original Color

10.0030, 10.9508, 2.3456

Protanomaly

9.8849, 10.8899, 2.3400

Deuteranomaly

10.6209, 10.8849, 2.3518

Tritanomaly

10.8922, 10.8012, 6.8210

Monochromacy



Original Color

10.0030, 10.9508, 2.3456

Achromatopsia

9.4954, 9.9899, 10.8790

Achromatomaly

9.3296, 10.1269, 6.4640

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.0030, 10.9508, 2.3456 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(106, 93, 22)` looks like.

```
.text, #text, p{  
    color:rgb(106, 93, 22)  
}
```

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(106, 93, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 93, 22) }
```

Border

The CSS property to change the border of an element to XYZ 10.0030, 10.9508, 2.3456 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(106, 93, 22) }
```


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

```
.border{ border-color:rgb(106, 93, 22) }
```

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

Here you see how a box with a 4 pixel rgb(106, 93, 22) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 93, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 93, 22);  
box-shadow:4px 4px 4px 4px rgb(106, 93,  
22) }
```

Background

The CSS property to change the background color of an element to XYZ 10.0030, 10.9508, 2.3456 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 93, 22) }
```

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

```
.background{ background-color: rgb(106, 93,  
22) }
```

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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