

Converting Colors

XYZ(10.1776, 17.6502, 4.6133)

Have a look what the booklet for
XYZ(10.1776, 17.6502, 4.6133)
contains.

XYZ(10.1897, 17.6655, 4.6230)	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(10.1897, 17.6655,
4.6230)**

Conversions

Conversions Part 1

Format	Color
Hex	358525
RGB	53, 133, 37
RGB Percent	21%, 52%, 15%
CMY	0.7922, 0.4784, 0.8549
CMYK	0.60, 0.00, 0.72, 0.48
HSL	110°, 56%, 33%
HSV	110°, 72%, 52%
XYZ	10.1897, 17.6655, 4.6230
YIQ	98.1360, -16.8640, -46.8160

Conversions

Conversions Part 2

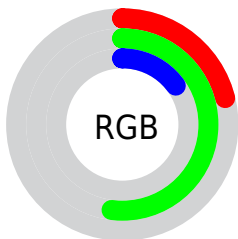
Format	Color
RYB	37, 133, 117
Decimal	3507493
CIELab	49.09, -43.03, 42.45
CIELCh	49, 60.440, 135.387
Yxy	17.6655, 0.3137, 0.5439
Android (android.graphics.Color)	4281697573 (0xFF358525)
YUV	98.1360, -30.1400, -39.5843
Hunter-Lab	42.0303, -30.2781, 22.8998

Details


The XYZ color **10.1897, 17.6655, 4.6230** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **12.2322, 6.7991, 22.8588**, and the grayscale version is **11.7196, 12.3299, 13.4273**.

A 20% lighter version of the original color is **25.8385, 39.4964, 15.4943**, and **3.0173, 6.0346, 1.0058** is the 20% darker color. If you saturate the color by 10%, you get **9.5011, 17.3310, 3.6925**, and if you desaturate by 10%, it is **11.0901, 18.1015, 5.9615**.

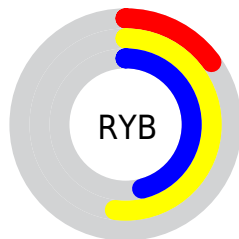
Distribution



 Red (21%)

 Green (52%)

 Blue (15%)




 Red (15%)

 Yellow (52%)

 Blue (46%)

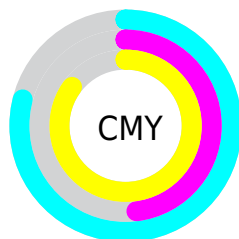


 Cyan (60%)


 Magenta (0%)

 Yellow (72%)

 Black (48%)



 Cyan (79%)


 Magenta (48%)


 Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 10.1897, 17.6655, 4.6230 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 10.1897, 17.6655, 4.6230 by changing the saturation by 10% instead.


 10.1897, 17.6655,
4.6230


 10.1897, 17.6655,
4.6230


186.0461,
238.9788, 154.9169


 5.5881, 10.7101,
1.9730


 25.7981, 39.4665,
15.4229


 2.6346, 5.8723,
0.5386

 37.5358, 55.0809,
24.4098


 0.9636, 2.7676,
0.0000

 52.3828, 74.3505,
36.3460

 0.0000, 1.0116,
0.0000

 70.7045, 97.6595,
51.6502

 0.0000, 0.0000,
0.0000

 92.8664, 125.3925,
70.7409

 119.2337,

157.9338, 94.0365

150.1718,
195.6677, 121.9557

■ 10.1897, 17.6655,
4.6230

■ 10.1897, 17.6655,
4.6230

■ 9.5011, 17.3310,
3.6925

■ 11.0901, 18.1015,
5.9615

■ 9.0049, 17.0873,
3.1223

■ 12.2169, 18.6441,
7.7464

■ 8.7224, 16.9482,
2.8116

■ 13.5851, 19.3007,
10.0128

■ 15.2077, 20.0773,
12.7923

■ 17.0971, 20.9797,
16.1135

■ 19.2644, 22.0132,
20.0032

■ 21.7206, 23.1827,
24.4860

■ 24.4756, 24.4930,
29.5855

■ 27.5393, 25.9485,
35.3237

Harmonies

Analogous

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



14.0726, 17.6655, 2.1368



10.1897, 17.6655, 4.6230



8.3268, 17.6655, 12.4111

Triad

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



10.1897, 17.6655, 4.6230



14.1989, 17.6655, 67.7035



29.5770, 17.6655, 12.1108

Complementary

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



10.1897, 17.6655, 4.6230



12.2322, 6.7991, 22.8588

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.



29.6323, 17.6655, 28.1891



10.1897, 17.6655, 4.6230



19.8376, 17.6655, 67.4524

Square

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



10.1897, 17.6655, 4.6230



10.2642, 17.6655, 50.9247



25.7607, 17.6655, 50.3587



25.6231, 17.6655, 4.5092

Rectangle

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



10.1897, 17.6655, 4.6230



8.1383, 17.6655, 22.3025



25.7607, 17.6655, 50.3587



30.0772, 17.6655, 16.4621

Sweetspot

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



10.1901, 17.6662, 4.6234



30.4997, 37.5134, 28.6481



16.3688, 17.8435, 4.3320



6.6918, 8.3658, 6.1362



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



10.1901, 17.6662, 4.6234



16.3745, 30.7215, 5.8536



10.2252, 17.5988, 8.4887



4.6833, 5.2393, 4.9938



8.3130, 16.1454, 2.6782



0.0330, 0.0581, 0.0095

Inverse Universe

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



12.2322, 6.7991, 22.8588



20.1388, 9.9476, 40.5970



12.6840, 7.2497, 13.0434



4.7838, 4.7246, 5.8606



10.2630, 4.8249, 21.5271



0.0406, 0.0193, 0.0748

Previews

White Background



This preview shows how the XYZ color 10.1897, 17.6655, 4.6230 looks on a white background.

Color Contrast Check

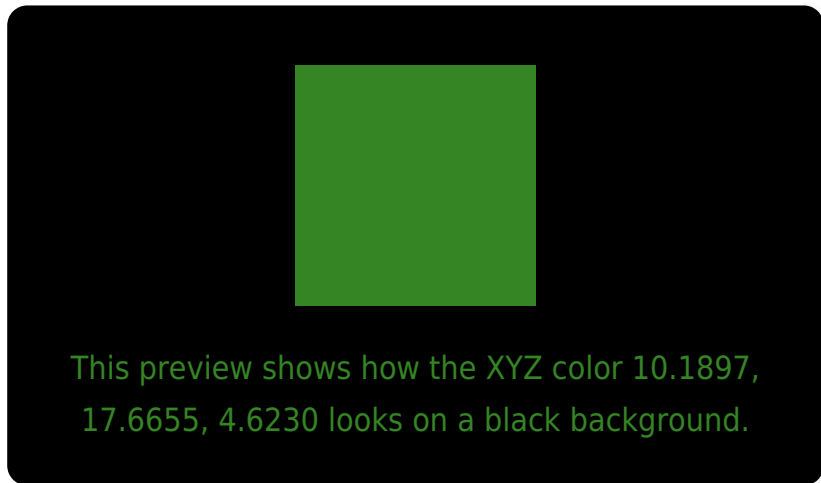
Large Text (above 18pt) WCAG AA ✓ Pass

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 ✓ Pass

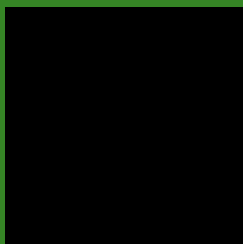
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 10.1897, 17.6655, 4.6230

Background



This preview shows how black text looks on a background with the XYZ color 10.1897, 17.6655, 4.6230.



This preview shows how white text looks on a background with the XYZ color 10.1897, 17.6655,

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

10.1897, 17.6655, 4.6230

Protanopia

15.7258, 17.3464, 3.9582

Deuteranopia

17.5707, 17.2784, 4.9938



Tritanopia

14.3348, 17.5924, 25.1944

Trichromacy



Original Color

10.1897, 17.6655, 4.6230

Protanomaly

12.7278, 16.8593, 4.0967

Deuteranomaly

13.4700, 16.5108, 4.7625

Tritanomaly

12.0883, 17.2378, 14.4945

Monochromacy



Original Color

10.1897, 17.6655, 4.6230

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

10.4686, 13.6845, 8.9271

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.1897, 17.6655, 4.6230 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(53, 133, 37)` looks like.

```
.text, #text, p{  
    color:rgb(53, 133, 37)  
}
```

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(53, 133, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 133, 37) }
```

Border

The CSS property to change the border of an element to XYZ 10.1897, 17.6655, 4.6230 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(53, 133, 37) }
```


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

```
.border{ border-color:rgb(53, 133, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(53, 133, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 133, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 133, 37);  
box-shadow:4px 4px 4px 4px rgb(53, 133,  
37) }
```

Background

The CSS property to change the background color of an element to XYZ 10.1897, 17.6655, 4.6230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 133, 37) }
```

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

```
.background{ background-color: rgb(53, 133,  
37) }
```

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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