

Converting Colors

XYZ(10.8310, 17.9691, 3.5711)

Have a look what the booklet for
XYZ(10.8310, 17.9691, 3.5711)
contains.

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Color

**XYZ(10.8285, 18.0189,
3.5691)**

Conversions

Conversions Part 1

Format	Color
Hex	438514
RGB	67, 133, 20
RGB Percent	26%, 52%, 8%
CMY	0.7373, 0.4784, 0.9215
CMYK	0.50, 0.00, 0.85, 0.48
HSL	95°, 74%, 30%
HSV	95°, 85%, 52%
XYZ	10.8285, 18.0189, 3.5691
YIQ	100.3840, -3.0630, -49.1350

Conversions

Conversions Part 2

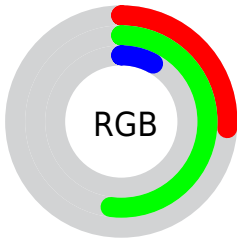
Format	Color
R_{YB}	20, 133, 86
Decimal	4424980
CIE Lab	49.52, -40.02, 48.96
CIE LCh	50, 63.233, 129.265
Yxy	18.0189, 0.3340, 0.5559
Android (android.graphics.Color)	4282615060 (0xFF438514)
YUV	100.3840, -39.6293, -29.2778
Hunter-Lab	42.4487, -28.7505, 24.7289

Details

The XYZ color **10.8285, 18.0189, 3.5691** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **8.3228, 4.1730, 22.5582**, and the grayscale version is **12.3107, 12.9518, 14.1046**.

A 20% lighter version of the original color is **27.0664, 40.1862, 12.9868**, and **3.0298, 6.0410, 1.0064** is the 20% darker color. If you saturate the color by 10%, you get **10.2420, 17.7274, 3.0745**, and if you desaturate by 10%, it is **11.5503, 18.3739, 4.3992**.

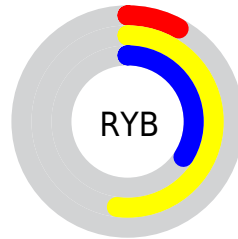
Distribution



Red (26%)

Green (52%)

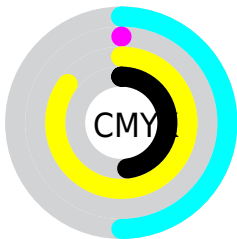
Blue (8%)



Red (8%)

Yellow (52%)

Blue (34%)

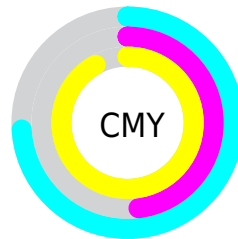


Cyan (50%)

Magenta (0%)

Yellow (85%)

Black (48%)



Cyan (74%)

Magenta (48%)

Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.8285, 18.0189, 3.5691 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 10.8285, 18.0189, 3.5691 by changing the saturation by 10% instead.

■ 10.8285, 18.0189,
3.5691

■ 10.8285, 18.0189,
3.5691

190.4198,
240.9776, 143.3082

■ 6.0181, 10.9636,
1.3921

■ 26.9784, 40.0695,
13.0031

■ 2.8968, 6.0423,
0.1355

■ 39.0485, 55.8336,
21.0972

■ 1.0994, 2.8708,
0.0000

■ 54.2693, 75.2694,
32.0006

■ 0.0247, 1.0647,
0.0000


■ 73.0060, 98.7612,
46.1321


■ 0.0000, 0.0000,
0.0000


■ 95.6241, 126.6936,
63.9100


■ 122.4889,


159.4508, 85.7530


 153.9656,
197.4174, 112.0796


 10.8285, 18.0189,
3.5691


 10.8285, 18.0189,
3.5691


 10.2420, 17.7274,
3.0745


 11.5503, 18.3739,
4.3992

 9.9807, 17.5970,
2.8705

 12.4197, 18.7960,
5.6213

 13.4474, 19.2902,
7.2767

 14.6425, 19.8605,
9.4011

 16.0135, 20.5106,
12.0266

■ 17.5681, 21.2438,
15.1824

■ 19.3135, 22.0632,
18.8954

■ 21.2565, 22.9718,
23.1908

■ 23.4035, 23.9724,
28.0921

Harmonies

Analogous

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



15.3403, 18.0189, 1.7587



10.8285, 18.0189, 3.5691



8.4632, 18.0189, 10.1138

Triad

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



10.8285, 18.0189, 3.5691



13.3678, 18.0189, 69.3775



31.1742, 18.0189, 14.7788

Complementary

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



10.8285, 18.0189, 3.5691



8.3228, 4.1730, 22.5582

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.



30.2955, 18.0189, 33.7487



10.8285, 18.0189, 3.5691



19.0461, 18.0189, 73.4088

Square

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



10.8285, 18.0189, 3.5691



9.6745, 18.0189, 48.7315



25.4879, 18.0189, 57.7796



27.6664, 18.0189, 5.2824

Rectangle

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



10.8285, 18.0189, 3.5691



8.0065, 18.0189, 19.1998



25.4879, 18.0189, 57.7796



31.3971, 18.0189, 20.0453

Sweetspot

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



10.8289, 18.0197, 3.5695



31.2799, 37.9570, 26.8145



13.1211, 11.6803, 2.2251



6.8538, 8.4603, 5.6430



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.



10.8289, 18.0197, 3.5695



17.7013, 31.4228, 5.1323



8.9036, 17.0155, 4.0050



4.7862, 5.2923, 4.9986



9.5152, 16.7652, 2.7345



0.0410, 0.0622, 0.0098

Inverse Universe

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



8.3228, 4.1730, 22.5582



12.9806, 5.8159, 40.1768



13.5356, 6.9321, 19.5566



4.6756, 4.6689, 5.8555



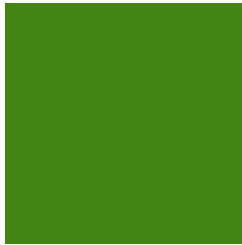
7.0104, 3.1481, 21.3749



0.0326, 0.0152, 0.0744

Previews

White Background



This preview shows how the XYZ color 10.8285, 18.0189, 3.5691 looks on a white background.

Color Contrast Check

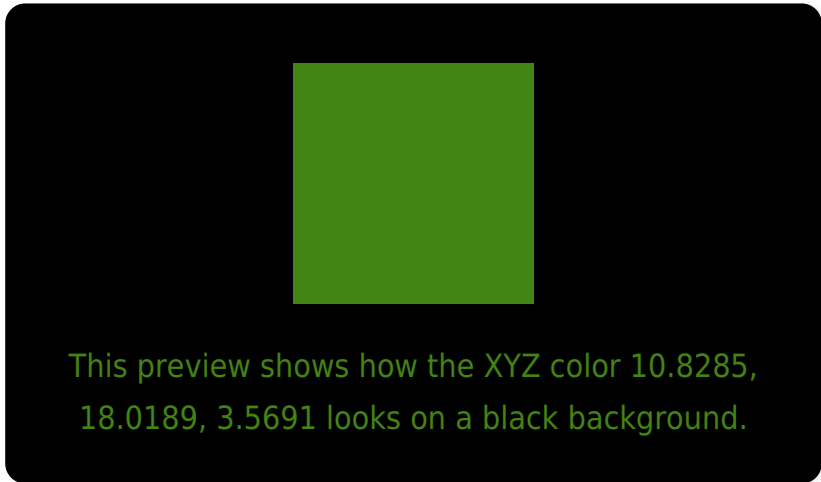
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.8285, 18.0189, 3.5691

Background



This preview shows how black text looks on a background with the XYZ color 10.8285, 18.0189, 3.5691.



This preview shows how white text looks on a background with the XYZ color 10.8285, 18.0189,

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

10.8285, 18.0189, 3.5691

Protanopia

15.9632, 17.6626, 3.0198

Deuteranopia

17.9916, 17.6817, 3.9035



Tritanopia

15.1669, 18.0214, 25.2333

Trichromacy



Original Color

10.8285, 18.0189, 3.5691

Protanomaly

13.3685, 17.3945, 3.1832

Deuteranomaly

14.2776, 17.1290, 3.6523

Tritanomaly

12.7070, 17.5888, 13.0812

Monochromacy



Original Color

10.8285, 18.0189, 3.5691

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

10.9560, 14.1180, 8.1088

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.8285, 18.0189, 3.5691 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(67, 133, 20)` looks like.

```
.text, #text, p{  
    color:rgb(67, 133, 20)  
}
```

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(67, 133, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 133, 20) }
```

Border

The CSS property to change the border of an element to XYZ 10.8285, 18.0189, 3.5691 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(67, 133, 20) }
```


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

```
.border{ border-color:rgb(67, 133, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 133, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 133, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 133, 20);  
box-shadow:4px 4px 4px 4px rgb(67, 133,  
20) }
```

Background

The CSS property to change the background color of an element to XYZ 10.8285, 18.0189, 3.5691 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 133, 20) }
```

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

```
.background{ background-color: rgb(67, 133,  
20) }
```

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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