

Converting Colors

XYZ(10.0184, 16.6154, 3.5953)

Have a look what the booklet for
XYZ(10.0184, 16.6154, 3.5953)
contains.

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Color

**XYZ(10.0090, 16.5985,
3.5960)**

Conversions

Conversions Part 1

Format	Color
Hex	408019
RGB	64, 128, 25
RGB Percent	25%, 50%, 10%
CMY	0.7490, 0.4980, 0.9019
CMYK	0.50, 0.00, 0.80, 0.50
HSL	97°, 67%, 30%
HSV	97°, 80%, 50%
XYZ	10.0090, 16.5985, 3.5960
YIQ	97.1220, -5.0810, -45.6010

Conversions

Conversions Part 2

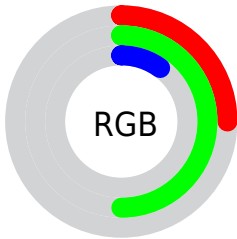
Format	Color
R_{YB}	25, 128, 89
Decimal	4227097
CIE Lab	47.75, -38.67, 45.75
CIE LCh	48, 59.902, 130.209
Yxy	16.5985, 0.3314, 0.5496
Android (android.graphics.Color)	4282417177 (0xFF408019)
YUV	97.1220, -35.5561, -29.0480
Hunter-Lab	40.7413, -27.4447, 23.2857

Details

The XYZ color **10.0090, 16.5985, 3.5960** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **8.3646, 4.3782, 20.8272**, and the grayscale version is **11.4784, 12.0762, 13.1510**.

A 20% lighter version of the original color is **25.3702, 37.4494, 13.0990**, and **2.7244, 5.4488, 0.9081** is the 20% darker color. If you saturate the color by 10%, you get **9.4206, 16.3081, 3.0057**, and if you desaturate by 10%, it is **10.7353, 16.9536, 4.5238**.

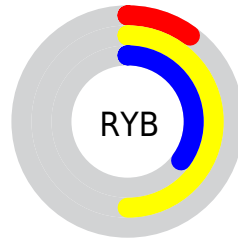
Distribution



Red (25%)

Green (50%)

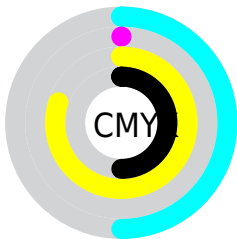
Blue (10%)



Red (10%)

Yellow (50%)

Blue (35%)

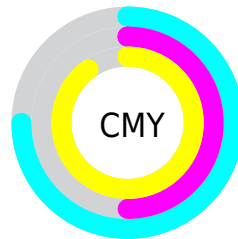


Cyan (50%)

Magenta (0%)

Yellow (80%)

Black (50%)



Cyan (75%)

Magenta (50%)

Yellow (90%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.0090, 16.5985, 3.5960 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 10.0090, 16.5985, 3.5960 by changing the saturation by 10% instead.

■ 10.0090, 16.5985,
3.5960

■ 10.0090, 16.5985,
3.5960

184.7886,
232.8479, 143.6231

■ 5.4672, 9.9486,
1.4064

■ 25.4619, 37.6342,
13.0667

■ 2.5615, 5.3649,
0.1467

■ 37.1038, 52.7888,
21.1850

■ 0.9264, 2.4629,
0.0000

■ 51.8432, 71.5470,
32.1166

■ 0.0000, 0.8580,
0.0000


■ 70.0453, 94.2934,
46.2800


■ 0.0000, 0.0000,
0.0000


■ 92.0755, 121.4123,
64.0939


■ 118.2992,


153.2881, 85.9766


 149.0818,
190.3052, 112.3469


 10.0090, 16.5985,
3.5960


 10.0090, 16.5985,
3.5960


 9.4206, 16.3081,
3.0057


 10.7353, 16.9536,
4.5238

 8.9604, 16.0787,
2.6312

 11.6089, 17.3760,
5.8285

 12.6395, 17.8704,
7.5454

 13.8357, 18.4405,
9.7051

 15.2052, 19.0897,
12.3357

■ 16.7552, 19.8211,
15.4627

■ 18.4925, 20.6379,
19.1099

■ 20.4237, 21.5426,
23.2995

■ 22.5546, 22.5382,
28.0524

Harmonies

Analogous

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



14.0174, 16.5985, 1.8013



10.0090, 16.5985, 3.5960



7.9234, 16.5985, 9.8008

Triad

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



10.0090, 16.5985, 3.5960



12.5345, 16.5985, 62.5708



28.2648, 16.5985, 13.3252

Complementary

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



10.0090, 16.5985, 3.5960



8.3646, 4.3782, 20.8272

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.



27.6120, 16.5985, 30.0372



10.0090, 16.5985, 3.5960



17.6767, 16.5985, 65.5399

Square

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



10.0090, 16.5985, 3.5960



9.1360, 16.5985, 44.6477



23.4185, 16.5985, 51.3338



25.0403, 16.5985, 4.9214

Rectangle

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



10.0090, 16.5985, 3.5960



7.5446, 16.5985, 18.1812



23.4185, 16.5985, 51.3338



28.5064, 16.5985, 17.9652

Sweetspot

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



10.0094, 16.5992, 3.5964



28.3446, 34.3527, 24.8653



12.6105, 11.7247, 2.5184



6.4441, 7.9522, 5.4352



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



10.0094, 16.5992, 3.5964



15.8543, 28.3454, 4.7784



8.4548, 15.7794, 4.3521



4.4180, 4.8919, 4.6315



8.8859, 15.9432, 2.6090



0.0000, 0.0000, 0.0000

Inverse Universe

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



8.3646, 4.3782, 20.8272



12.7254, 5.8478, 36.4143



12.4018, 6.5455, 17.1285



4.3453, 4.3336, 5.4207



7.1068, 3.2174, 20.4964



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 10.0090, 16.5985, 3.5960 looks on a white background.

Color Contrast Check

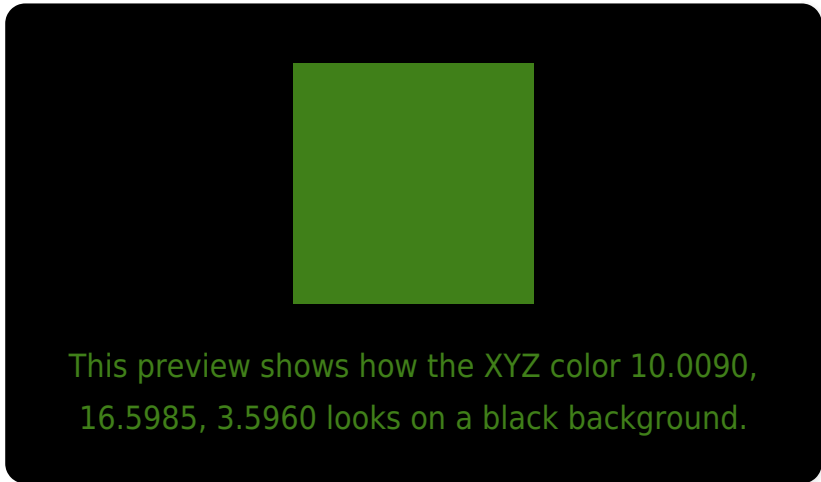
Large Text (above 18pt) WCAG AA ✓ Pass

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

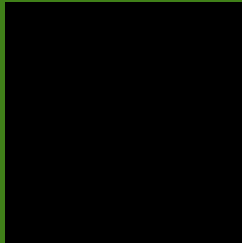
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 10.0090, 16.5985, 3.5960

Background



This preview shows how black text looks on a background with the XYZ color 10.0090, 16.5985, 3.5960.



This preview shows how white text looks on a background with the XYZ color 10.0090, 16.5985,

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

10.0090, 16.5985, 3.5960

Protanopia

14.7929, 16.3764, 3.0908

Deuteranopia

16.5456, 16.2995, 3.8642



Tritanopia

13.9526, 16.5280, 23.2237

Trichromacy



Original Color

10.0090, 16.5985, 3.5960

Protanomaly

12.3322, 15.9579, 3.1893

Deuteranomaly

13.1881, 15.8711, 3.6647

Tritanomaly

11.7495, 16.1703, 12.3994

Monochromacy



Original Color

10.0090, 16.5985, 3.5960

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

10.2462, 13.1114, 7.9519

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.0090, 16.5985, 3.5960 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(64, 128, 25)` looks like.

```
.text, #text, p{  
    color:rgb(64, 128, 25)  
}
```

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(64, 128, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 128, 25) }
```

Border

The CSS property to change the border of an element to XYZ 10.0090, 16.5985, 3.5960 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(64, 128, 25) }
```


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

```
.border{ border-color:rgb(64, 128, 25) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 128, 25)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 128, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 128, 25);  
box-shadow:4px 4px 4px 4px rgb(64, 128,  
25) }
```

Background

The CSS property to change the background color of an element to XYZ 10.0090, 16.5985, 3.5960 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 128, 25) }
```

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

```
.background{ background-color: rgb(64, 128,  
25) }
```

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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