

Converting Colors

XYZ(5.6940, 10.4628, 2.3517)

Have a look what the booklet for
XYZ(5.6940, 10.4628, 2.3517)
contains.

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Color

**XYZ(5.6758, 10.4114,
2.3265)**

Conversions

Conversions Part 1

Format	Color
Hex	1D6913
RGB	29, 105, 19
RGB Percent	11%, 41%, 7%
CMY	0.8863, 0.5882, 0.9255
CMYK	0.72, 0.00, 0.82, 0.59
HSL	113°, 69%, 24%
HSV	113°, 82%, 41%
XYZ	5.6758, 10.4114, 2.3265
YIQ	72.4720, -17.6900, -42.8580

Conversions

Conversions Part 2

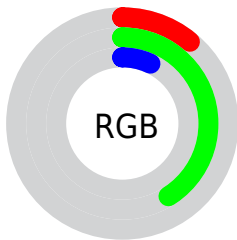
Format	Color
RYB	19, 105, 95
Decimal	1927443
CIELab	38.57, -39.79, 38.59
CIElCh	39, 55.426, 135.874
Yxy	10.4114, 0.3082, 0.5654
Android (android.graphics.Color)	4280117523 (0xFF1D6913)
YUV	72.4720, -26.3617, -38.1249
Hunter-Lab	32.2667, -25.0681, 18.3118

Details

The XYZ color **5.6758, 10.4114, 2.3265** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **7.5027, 3.9190, 13.7262**, and the grayscale version is **6.2877, 6.6152, 7.2039**.

A 20% lighter version of the original color is **16.9689, 26.5220, 9.8551**, and **1.4142, 2.8283, 0.4714** is the 20% darker color. If you saturate the color by 10%, you get **5.3812, 10.2680, 1.9425**, and if you desaturate by 10%, it is **6.0895, 10.6122, 2.9227**.

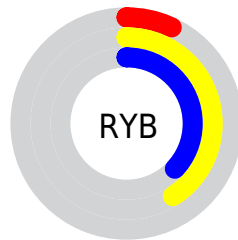
Distribution



Red (11%)

Green (41%)

Blue (7%)



Red (7%)

Yellow (41%)

Blue (37%)

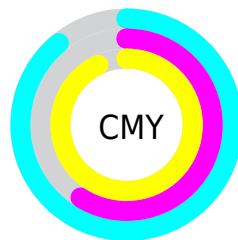


Cyan (72%)

Magenta (0%)

Yellow (82%)

Black (59%)



Cyan (89%)

Magenta (59%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 5.6758, 10.4114, 2.3265 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 5.6758, 10.4114, 2.3265 by changing the saturation by 10% instead.

■ 5.6758, 10.4114,
2.3265

■ 5.6758, 10.4114,
2.3265

150.9555,
193.5836, 127.2568

■ 2.6877, 5.6726,
0.7460

■ 16.9869, 26.5665,
9.9156

■ 0.9909, 2.6470,
0.0000

■ 26.0407, 38.7515,
16.7774

■ 0.0000, 0.9504,
0.0000

■ 37.8470, 54.1874,
26.2420


■ 0.0000, 0.0000,
0.0000


■ 52.7714, 73.2586,
38.7280


■ 71.1790, 96.3494,
54.6539


■ 93.4354, 123.8442,


74.4384


 119.9058,
156.1275, 98.4998


 5.6758, 10.4114,
2.3265


 5.6758, 10.4114,
2.3265


 5.3812, 10.2680,
1.9425


 6.0895, 10.6122,
2.9227

 5.2063, 10.1833,
1.6912

 6.6331, 10.8745,
3.7571

 7.3166, 11.2034,
4.8517

 8.1489, 11.6029,
6.2255

 9.1382, 12.0770,
7.8958

■ 10.2920, 12.6291,
9.8786

■ 11.6174, 13.2626,
12.1888

■ 13.1209, 13.9805,
14.8401

■ 14.8089, 14.7860,
17.8456

Harmonies

Analogous

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



8.1030, 10.4114, 0.9221



5.6758, 10.4114, 2.3265



4.5440, 10.4114, 7.1161

Triad

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



5.6758, 10.4114, 2.3265



8.2848, 10.4114, 43.9772



18.2646, 10.4114, 6.6919

Complementary

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



5.6758, 10.4114, 2.3265



7.5027, 3.9190, 13.7262

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.



18.3478, 10.4114, 16.9623



5.6758, 10.4114, 2.3265



11.9351, 10.4114, 43.5877

Square

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



5.6758, 10.4114, 2.3265



5.7806, 10.4114, 32.6552



15.8143, 10.4114, 31.7879



15.6089, 10.4114, 2.1793

Rectangle

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



5.6758, 10.4114, 2.3265



4.4407, 10.4114, 13.5127



15.8143, 10.4114, 31.7879



18.6129, 10.4114, 9.4070

Sweetspot

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



5.6760, 10.4118, 2.3267



17.6042, 22.2188, 16.2653



10.0329, 11.2292, 2.2549



4.0014, 5.1462, 3.5999



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.



5.6760, 10.4118, 2.3267



9.3183, 18.2299, 3.1067



5.9395, 10.4897, 4.9568



3.0937, 3.4601, 3.3223



6.5718, 12.8831, 2.1403



33.0834, 65.4372, 10.8870

Inverse Universe

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



7.5027, 3.9190, 13.7262



12.6236, 6.0247, 24.4286



7.2297, 3.9376, 6.5160



3.1847, 3.1469, 3.8744



8.8986, 4.2145, 17.2667



44.8715, 21.2317, 87.9593

Previews

White Background



This preview shows how the XYZ color 5.6758, 10.4114, 2.3265 looks on a white background.

Color Contrast Check

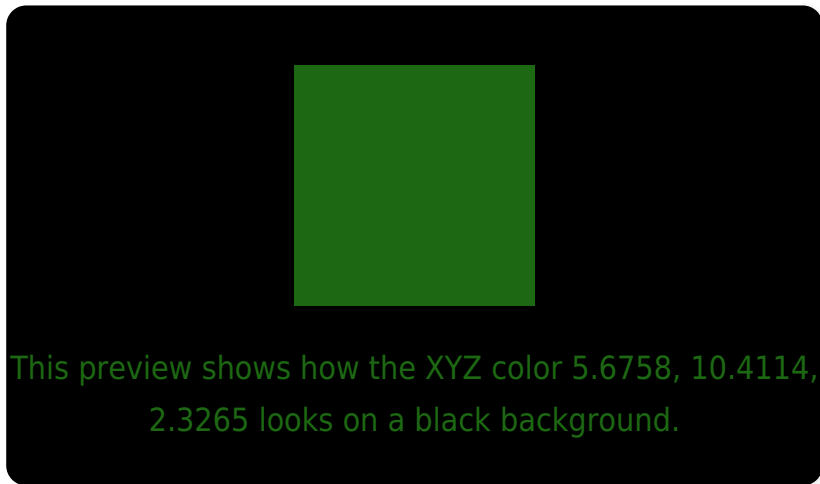
Large Text (above 18pt) WCAG AA ✓ Pass

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

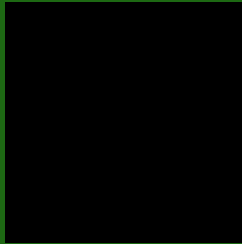
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 5.6758, 10.4114, 2.3265

Background



This preview shows how black text looks on a background with the XYZ color 5.6758, 10.4114, 2.3265.



This preview shows how white text looks on a background with the XYZ color 5.6758, 10.4114,

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

5.6758, 10.4114, 2.3265

Protanopia

9.3068, 10.3414, 1.9575

Deuteranopia

10.3596, 10.2550, 2.5958



Tritanopia

8.3344, 10.4798, 15.2192

Trichromacy



Original Color

5.6758, 10.4114, 2.3265

Protanomaly

7.1780, 9.8990, 2.0226

Deuteranomaly

7.5695, 9.6927, 2.3916

Tritanomaly

6.8860, 10.3154, 8.1067

Monochromacy



Original Color

5.6758, 10.4114, 2.3265

Achromatopsia

6.1596, 6.4803, 7.0571

Achromatomaly

5.4438, 7.4384, 4.5170

CSS Examples

Text

The CSS property to change the color of the text to XYZ 5.6758, 10.4114, 2.3265 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(29, 105, 19)` looks like.

```
.text, #text, p{  
    color:rgb(29, 105, 19)  
}
```

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(29, 105, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 105, 19) }
```

Border

The CSS property to change the border of an element to XYZ 5.6758, 10.4114, 2.3265 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(29, 105, 19) }
```


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

```
.border{ border-color:rgb(29, 105, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(29, 105, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 105, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 105, 19);  
box-shadow:4px 4px 4px 4px rgb(29, 105,  
19) }
```

Background

The CSS property to change the background color of an element to XYZ 5.6758, 10.4114, 2.3265 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 105, 19) }
```

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

```
.background{ background-color: rgb(29, 105,  
19) }
```

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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