

Converting Colors

XYZ(5.2588, 10.1425, 1.6805)

Have a look what the booklet for
XYZ(5.2588, 10.1425, 1.6805)
contains.

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Color

**XYZ(5.3010, 10.2317,
1.6955)**

Conversions

Conversions Part 1

Format	Color
Hex	126900
RGB	18, 105, 0
RGB Percent	7%, 41%, 0%
CMY	0.9294, 0.5882, 1.0000
CMYK	0.83, 0.00, 1.00, 0.59
HSL	110°, 100%, 21%
HSV	110°, 100%, 41%
XYZ	5.3010, 10.2317, 1.6955
YIQ	67.0170, -18.1470, -51.0990

Conversions

Conversions Part 2

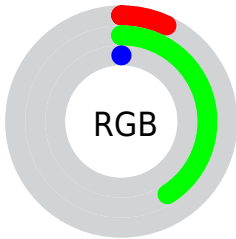
Format	Color
RYB	0, 105, 87
Decimal	1206528
CIELab	38.26, -42.82, 43.60
CIELCh	38, 61.114, 134.486
Yxy	10.2317, 0.3077, 0.5939
Android (android.graphics.Color)	4279396608 (0xFF126900)
YUV	67.0170, -33.0394, -42.9879
Hunter-Lab	31.9870, -26.3957, 19.2482

Details

The XYZ color **5.3010, 10.2317, 1.6955** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **6.4811, 3.0466, 13.6116**, and the grayscale version is **5.3907, 5.6715, 6.1762**.

A 20% lighter version of the original color is **16.1290, 26.1249, 8.1955**, and **1.4142, 2.8283, 0.4714** is the 20% darker color. If you saturate the color by 10%, you get **5.3011, 10.2321, 1.6956**, and if you desaturate by 10%, it is **5.5534, 10.3555, 2.0079**.

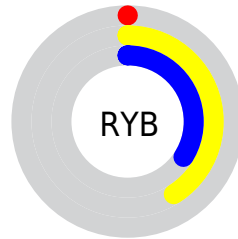
Distribution



Red (7%)

Green (41%)

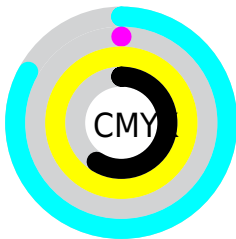
Blue (0%)



Red (0%)

Yellow (41%)

Blue (34%)

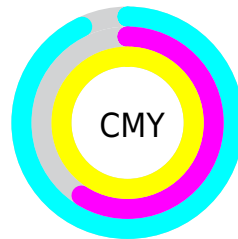


Cyan (83%)

Magenta (0%)

Yellow (100%)

Black (59%)



Cyan (93%)


Magenta (59%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 5.3010, 10.2317, 1.6955 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 5.3010, 10.2317, 1.6955 by changing the saturation by 10% instead.


 5.3010, 10.2317,
1.6955


 5.3010, 10.2317,
1.6955


 147.5654,
192.3178, 117.4535


 2.4615, 5.5529,
0.3576


 16.2031, 26.2304,
8.1903


 0.8759, 2.5751,
0.0000


 24.9964, 38.3190,
14.3026

 0.0000, 0.9142,
0.0000

 36.5051, 53.6464,
22.8829


 0.0000, 0.0000,
0.0000


 51.0944, 72.5969,
34.3497


 69.1297, 95.5549,
49.1217


 90.9764, 122.9048,


67.6173


 116.9999,
155.0310, 90.2550


 5.3010, 10.2317,
1.6955


 5.3010, 10.2317,
1.6955


 5.3011, 10.2321,
1.6956

 5.5534, 10.3555,
2.0079

 5.8940, 10.5221,
2.4300

 6.3489, 10.7429,
3.0705

 6.9276, 11.0223,
3.9534

 7.6386, 11.3642,
5.0997

■ 8.4896, 11.7721,
6.5283

■ 9.4877, 12.2494,
8.2560

■ 10.6394, 12.7992,
10.2985

■ 11.9510, 13.4242,
12.6704

Harmonies

Analogous

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



7.9397, 10.2317, 0.4744



5.3010, 10.2317, 1.6955



4.0731, 10.2317, 6.2613

Triad

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



5.3010, 10.2317, 1.6955



7.8249, 10.2317, 48.2043



19.1321, 10.2317, 6.5227

Complementary

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



5.3010, 10.2317, 1.6955



6.4811, 3.0466, 13.6116

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.



19.0765, 10.2317, 18.0610



5.3010, 10.2317, 1.6955



11.7594, 10.2317, 48.4741

Square

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



5.3010, 10.2317, 1.6955



5.2367, 10.2317, 34.5149



16.1055, 10.2317, 35.1071



16.2413, 10.2317, 1.7757

Rectangle

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



5.3010, 10.2317, 1.6955



3.9323, 10.2317, 12.9371



16.1055, 10.2317, 35.1071



19.4780, 10.2317, 9.5186

Sweetspot

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



5.3012, 10.2321, 1.6957



16.8224, 21.8542, 14.4923



9.1340, 9.6195, 1.3755



3.8084, 5.0561, 3.1644



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.



5.3012, 10.2321, 1.6957



9.4127, 18.2803, 3.0324



5.3299, 10.2148, 3.1483



3.1079, 3.4674, 3.3229



6.6869, 12.9424, 2.1457



33.5450, 65.6752, 10.9086

Inverse Universe

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



6.4811, 3.0466, 13.6116



11.5182, 5.4104, 24.3683



6.9876, 3.4681, 6.3898



3.1692, 3.1390, 3.8737



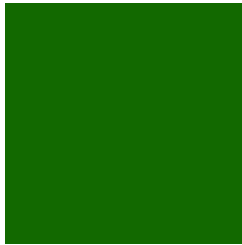
8.1793, 3.8436, 17.2330



41.0372, 19.2550, 87.7799

Previews

White Background



This preview shows how the XYZ color 5.3010, 10.2317, 1.6955 looks on a white background.

Color Contrast Check

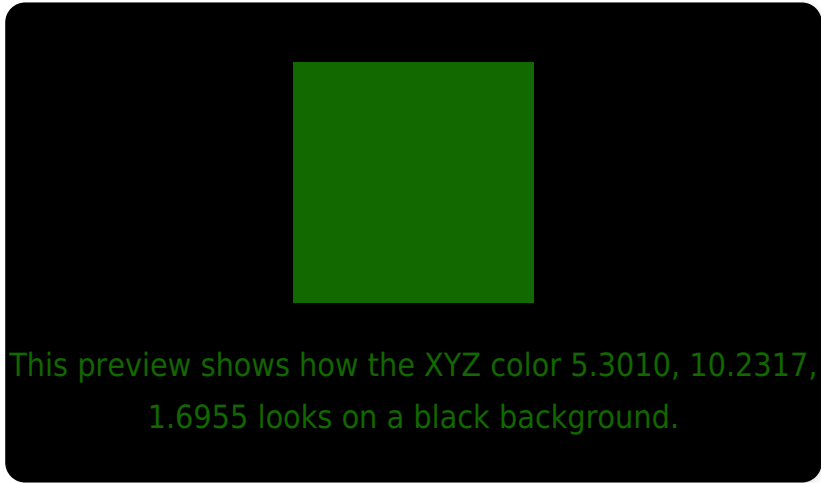
Large Text (above 18pt) WCAG AA ✓ Pass

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

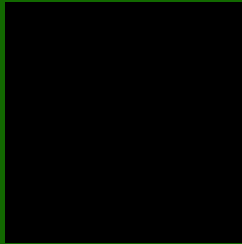
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 5.3010, 10.2317, 1.6955

Background



This preview shows how black text looks on a background with the XYZ color 5.3010, 10.2317, 1.6955.



This preview shows how white text looks on a background with the XYZ color 5.3010, 10.2317,

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

5.3010, 10.2317, 1.6955

Protanopia

9.0230, 10.0790, 1.4699

Deuteranopia

10.2132, 10.0696, 2.2159



Tritanopia

8.1415, 10.3803, 15.2102

Trichromacy



Original Color

5.3010, 10.2317, 1.6955

Protanomaly

6.6907, 9.5240, 1.4857

Deuteranomaly

7.0553, 9.3085, 1.8768

Tritanomaly

6.3944, 10.0877, 6.9203

Monochromacy



Original Color

5.3010, 10.2317, 1.6955

Achromatopsia

5.3350, 5.6128, 6.1124

Achromatomaly

4.6451, 6.7122, 3.3363

CSS Examples

Text

The CSS property to change the color of the text to XYZ 5.3010, 10.2317, 1.6955 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(18, 105, 0)` looks like.

```
.text, #text, p{  
    color:rgb(18, 105, 0)  
}
```

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(18, 105, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 105, 0) }
```

Border

The CSS property to change the border of an element to XYZ 5.3010, 10.2317, 1.6955 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(18, 105, 0) }
```


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

```
.border{ border-color:rgb(18, 105, 0) }
```

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

Here you see how a box with a 4 pixel rgb(18, 105, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 105, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 105, 0);  
box-shadow:4px 4px 4px 4px rgb(18, 105, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 5.3010, 10.2317, 1.6955 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 105, 0) }
```

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

```
.background{ background-color: rgb(18, 105,  
0) }
```

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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