

Converting Colors

XYZ(6.1166, 10.2065, 1.6477)

Have a look what the booklet for
XYZ(6.1166, 10.2065, 1.6477)
contains.

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Color

**XYZ(6.1166, 10.2065,
1.6477)**

Conversions

Conversions Part 1	
Format	Color
Hex	336600
RGB	51, 102, 0
RGB Percent	20%, 40%, 0%
CMY	0.8000, 0.6000, 1.0000
CMYK	0.50, 0.00, 1.00, 0.60
HSL	90°, 100%, 20%
HSV	90°, 100%, 40%
XYZ	6.1166, 10.2065, 1.6477
YIQ	75.1230, 2.3460, -42.5340

Conversions

Conversions Part 2

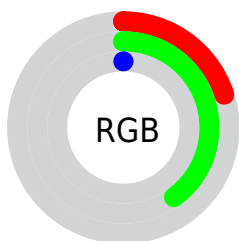
Format	Color
RYB	0, 102, 51
Decimal	3368448
CIELab	38.21, -33.30, 44.00
CIELCh	38, 55.177, 127.120
Yxy	10.2065, 0.3404, 0.5679
Android (android.graphics.Color)	4281558528 (0xFF336600)
YUV	75.1230, -37.0356, -21.1559
Hunter-Lab	31.9476, -21.7332, 19.3054

Details

The XYZ color **6.1166, 10.2065, 1.6477** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **3.7641, 1.6635, 12.6936**, and the grayscale version is **6.7749, 7.1277, 7.7621**.

A 20% lighter version of the original color is **18.0282, 26.3597, 8.1407**, and **1.3192, 2.6383, 0.4397** is the 20% darker color. If you saturate the color by 10%, you get **6.1166, 10.2068, 1.6477**, and if you desaturate by 10%, it is **6.4440, 10.3691, 1.9549**.

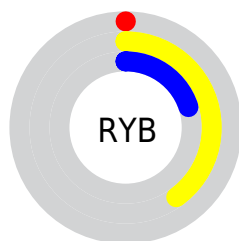
Distribution



Red (20%)

Green (40%)

Blue (0%)



Red (0%)

Yellow (40%)

Blue (20%)

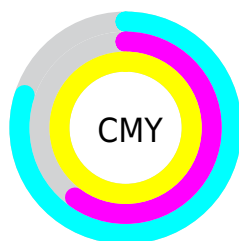


Cyan (50%)

Magenta (0%)

Yellow (100%)

Black (60%)



Cyan (80%)


Magenta (60%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 6.1166, 10.2065, 1.6477 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 6.1166, 10.2065, 1.6477 by changing the saturation by 10% instead.


 6.1166, 10.2065,
1.6477


 6.1166, 10.2065,
1.6477


 154.8181,
192.1396, 116.6414


 2.9574, 5.5361,
0.3245


 17.8954, 26.1832,
8.0531


 1.1313, 2.5651,
0.0000


 27.2457, 38.2583,
14.1035

 0.0511, 0.9092,
0.0000

 39.3904, 53.5703,
22.6104


 0.0000, 0.0000,
0.0000


 54.6950, 72.5038,
33.9924


 73.5246, 95.4431,
48.6679


 96.2448, 122.7725,


67.0556


 123.2208,
154.8766, 89.5739


 6.1166, 10.2065,
1.6477


 6.1166, 10.2065,
1.6477


 6.1166, 10.2068,
1.6477

 6.4440, 10.3691,
1.9549

 6.8183, 10.5536,
2.3586

 7.2609, 10.7687,
2.9652

 7.7766, 11.0167,
3.7968

 8.3698, 11.2994,
4.8727

■ 9.0447, 11.6184,
6.2101

■ 9.8049, 11.9753,
7.8247

■ 10.6537, 12.3716,
9.7310

■ 11.5945, 12.8086,
11.9425

Harmonies

Analogous

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



8.8739, 10.2065, 0.7780



6.1166, 10.2065, 1.6477



4.6470, 10.2065, 5.0828

Triad

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



6.1166, 10.2065, 1.6477



7.2668, 10.2065, 40.8969



18.2430, 10.2065, 8.8479

Complementary

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



6.1166, 10.2065, 1.6477



3.7641, 1.6635, 12.6936

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.



17.5099, 10.2065, 20.6564



6.1166, 10.2065, 1.6477



10.5779, 10.2065, 44.3175

Square

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



6.1166, 10.2065, 1.6477



5.1882, 10.2065, 27.7248



14.4674, 10.2065, 35.3535



16.2773, 10.2065, 2.9646

Rectangle

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



6.1166, 10.2065, 1.6477



4.3288, 10.2065, 10.1532



14.4674, 10.2065, 35.3535



18.3105, 10.2065, 12.1318

Sweetspot

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



6.1168, 10.2069, 1.6479



17.0733, 20.9443, 13.4570



6.6637, 5.1929, 0.6513



3.9325, 4.8963, 2.9691



51.1593, 53.8236, 58.6138



5.2251, 5.4972, 5.9864

Same Dimension

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



6.1168, 10.2069, 1.6479



10.5995, 17.8342, 2.8837



4.7517, 9.5032, 1.5840



2.9152, 3.2035, 3.0391



7.8108, 13.0853, 2.1140



39.7279, 67.7265, 10.9786

Inverse Universe

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



3.7641, 1.6635, 12.6936



6.4734, 2.8513, 22.2549



7.8781, 3.7844, 12.8861



2.8109, 2.8246, 3.5290



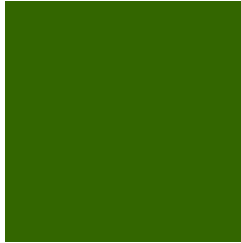
4.7892, 2.1131, 16.2998



23.9686, 10.5005, 84.9649

Previews

White Background



This preview shows how the XYZ color 6.1166, 10.2065, 1.6477 looks on a white background.

Color Contrast Check

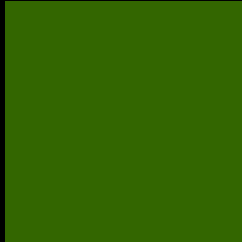
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 6.1166, 10.2065, 1.6477 looks on a 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 6.1166, 10.2065, 1.6477

Background



This preview shows how black text looks on a background with the XYZ color 6.1166, 10.2065, 1.6477.



This preview shows how white text looks on a background with the XYZ color 6.1166, 10.2065,

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

6.1166, 10.2065, 1.6477

Protanopia

9.0230, 10.0790, 1.4699

Deuteranopia





10.1939, 10.0619, 2.1143




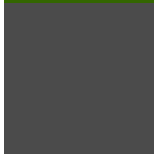

Tritanopia

8.6705, 10.2675, 14.0952

Trichromacy

	Original Color 6.1166, 10.2065, 1.6477
	Protanomaly 7.5700, 9.8444, 1.5012
	Deuteranomaly 8.0302, 9.6849, 1.8269
	Tritanomaly 7.1853, 10.0777, 6.5675

Monochromacy

	Original Color 6.1166, 10.2065, 1.6477
	Achromatopsia 6.6877, 7.0360, 7.6622
	Achromatomaly 6.0288, 7.8687, 3.9974

CSS Examples

Text

The CSS property to change the color of the text to XYZ 6.1166, 10.2065, 1.6477 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(51, 102, 0)` looks like.

```
.text, #text, p{  
    color:rgb(51, 102, 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(51, 102, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 102, 0) }
```

Border

The CSS property to change the border of an element to XYZ 6.1166, 10.2065, 1.6477 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(51, 102, 0) }
```


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

```
.border{ border-color:rgb(51, 102, 0) }
```

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

Here you see how a box with a 4 pixel rgb(51, 102, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 102, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 102, 0);  
box-shadow:4px 4px 4px 4px rgb(51, 102, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 6.1166, 10.2065, 1.6477 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 102, 0) }
```

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

```
.background{ background-color: rgb(51, 102,  
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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