

Converting Colors

XYZ(9.9040, 12.2261, 35.1631)

Have a look what the booklet for
XYZ(9.9040, 12.2261, 35.1631)
contains.

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Color

**XYZ(11.6029, 13.0535,
35.1657)**

Conversions

Conversions Part 1

Format	Color
Hex	006BA0
RGB	0, 107, 160
RGB Percent	0%, 42%, 63%
CMY	0.9999, 0.5804, 0.3725
CMYK	1.00, 0.33, 0.00, 0.37
HSL	200°, 100%, 31%
HSV	200°, 100%, 63%
XYZ	11.6029, 13.0535, 35.1657
YIQ	81.0490, -80.7850, -6.2010

Conversions

Conversions Part 2

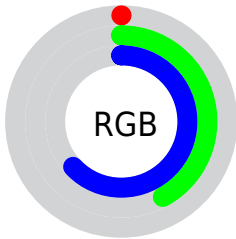
Format	Color
RYB	0, 64, 160
Decimal	27552
CIELab	42.84, -5.60, -35.76
CIELCh	43, 36.201, 261.098
Yxy	13.0535, 0.1940, 0.2182
Android (android.graphics.Color)	4278217632 (0xFF006BA0)
YUV	81.0490, 38.9228, -71.0800
Hunter-Lab	36.1296, -5.9022, -32.4174

Details

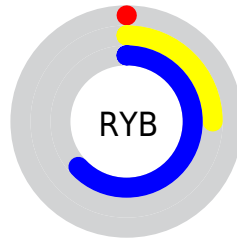
The XYZ color **11.6029, 13.0535, 35.1657** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **15.7719, 10.0225, 1.1041**, and the grayscale version is **7.7696, 8.1743, 8.9018**.

A 20% lighter version of the original color is **28.3304, 31.3384, 68.8457**, and **4.3226, 4.3144, 14.7923** is the 20% darker color. If you saturate the color by 10%, you get **11.6020, 13.0517, 35.1657**, and if you desaturate by 10%, it is **12.3870, 14.3036, 35.3660**.

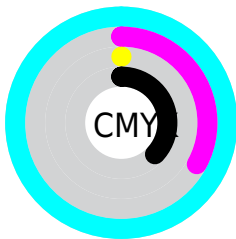
Distribution



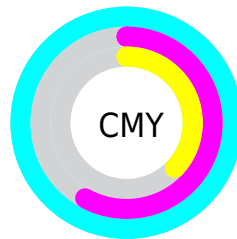
- Red (0%)
- Green (42%)
- Blue (63%)



- Red (0%)
- Yellow (25%)
- Blue (63%)



- Cyan (100%)
- Magenta (33%)
- Yellow (0%)
- Black (37%)



- Cyan (100%)
- Magenta (58%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.6029, 13.0535, 35.1657 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 11.6029, 13.0535, 35.1657 by changing the saturation by 10% instead.

■ 11.6029, 13.0535,
35.1657

■ 11.6029, 13.0535,
35.1657

■ 195.5824,
211.2603, 340.2256

■ 6.5442, 7.4654,
23.5060

■ 28.3929, 31.3999,
68.8969

■ 3.2225, 3.7548,
14.7588

■ 40.8550, 44.9269,
91.8054

■ 1.2725, 1.5374,
8.5055

■ 56.5155, 61.8691,
119.3006

■ 0.1625, 0.3148,
4.3277

■ 75.7398, 82.6107,
151.8010

■ 0.0000, 0.0000,
1.8068

■ 98.8933, 107.5363,
189.7251

■ 0.0000, 0.0000,
0.4324

■ 126.3413,

■ 0.0000, 0.0000,

137.0301, 233.4916

0.0000

158.4493,
171.4767, 283.5189

■ 11.6029, 13.0535,
35.1657

■ 11.6029, 13.0535,
35.1657

■ 11.6020, 13.0517,
35.1657

■ 12.3870, 14.3036,
35.3660

■ 13.3736, 15.7092,
35.5853

■ 14.6366, 17.3093,
35.8275

■ 16.2074, 19.1209,
36.0944

■ 18.1129, 21.1587,
36.3873

■ 20.3769, 23.4358,
36.7075

■ 23.0207, 25.9639,
37.0562

■ 26.0640, 28.7540,
37.4343

■ 29.5251, 31.8162,
37.8429

Harmonies

Analogous

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



9.3609, 13.0535, 29.6454



11.6029, 13.0535, 35.1657



14.4192, 13.0535, 33.6574

Triad

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



11.6029, 13.0535, 35.1657



18.0526, 13.0535, 9.4097



8.7149, 13.0535, 6.6396

Complementary

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



11.6029, 13.0535, 35.1657



15.7719, 10.0225, 1.1041

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.



10.5912, 13.0535, 4.2195



11.6029, 13.0535, 35.1657



16.0511, 13.0535, 5.3563

Square

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



11.6029, 13.0535, 35.1657



18.4303, 13.0535, 16.6998



13.2473, 13.0535, 3.8580



7.8638, 13.0535, 11.9863

Rectangle

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



11.6029, 13.0535, 35.1657



16.2370, 13.0535, 29.0378



13.2473, 13.0535, 3.8580



9.2322, 13.0535, 5.5543

Sweetspot

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



11.6034, 13.0539, 35.1660



41.4920, 46.8555, 67.2437



13.1619, 25.3782, 7.3007



8.6695, 9.8691, 14.6916



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



11.6034, 13.0539, 35.1660



20.8734, 23.3132, 63.7863



6.7938, 3.4346, 33.5628



6.6365, 7.1388, 8.4348



9.0792, 10.2500, 27.4072



0.1994, 0.2574, 0.5024

Inverse Universe

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



17.1515, 8.5358, 14.6538



31.0434, 15.4582, 26.0905



22.5699, 23.6185, 3.3701



6.8106, 6.7172, 7.8539



13.3810, 6.6570, 11.5232



0.2580, 0.1265, 0.3046

Previews

White Background



This preview shows how the XYZ color 11.6029, 13.0535, 35.1657 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 11.6029, 13.0535, 35.1657 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 11.6029, 13.0535, 35.1657

Background



This preview shows how black text looks on a background with the XYZ color 11.6029, 13.0535, 35.1657.



This preview shows how white text looks on a background with the XYZ color 11.6029, 13.0535,

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

11.6029, 13.0535, 35.1657

Protanopia

13.6913, 13.0174, 31.9280

Deuteranopia

13.3335, 13.0388, 35.5322



Tritanopia

9.2454, 12.9688, 20.1051

Trichromacy



Original Color

11.6029, 13.0535, 35.1657

Protanomaly

12.1683, 12.6331, 33.2496

Deuteranomaly

12.2381, 12.7659, 35.5373

Tritanomaly

9.9491, 12.9011, 24.8875

Monochromacy



Original Color

11.6029, 13.0535, 35.1657

Achromatopsia

7.8210, 8.2283, 8.9606

Achromatomaly

7.8868, 9.1682, 16.1058

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.6029, 13.0535, 35.1657 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(0, 107, 160)` looks like.

```
.text, #text, p{  
    color:rgb(0, 107, 160)  
}
```

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(0, 107, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 107, 160) }
```

Border

The CSS property to change the border of an element to XYZ 11.6029, 13.0535, 35.1657 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(0, 107, 160) }
```


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

```
.border{ border-color:rgb(0, 107, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 107, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 107, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 107, 160);  
box-shadow:4px 4px 4px 4px rgb(0, 107,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 11.6029, 13.0535, 35.1657 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 107, 160) }
```

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

```
.background{ background-color: rgb(0, 107,  
160) }
```

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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