

Converting Colors

XYZ(11.4088, 12.2116, 36.5001)

Have a look what the booklet for
XYZ(11.4088, 12.2116, 36.5001)
contains.

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Color

**XYZ(11.3622, 12.1471,
36.3961)**

Conversions

Conversions Part 1

Format	Color
Hex	0066A3
RGB	0, 102, 163
RGB Percent	0%, 40%, 64%
CMY	0.9999, 0.6000, 0.3608
CMYK	1.00, 0.37, 0.00, 0.36
HSL	202°, 100%, 32%
HSV	202°, 100%, 64%
XYZ	11.3622, 12.1471, 36.3961
YIQ	78.4560, -80.3730, -2.6530

Conversions

Conversions Part 2

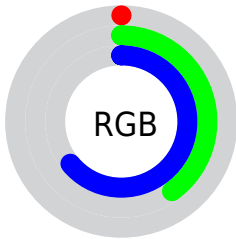
Format	Color
RYB	0, 63, 163
Decimal	26275
CIELab	41.45, -1.32, -39.75
CIELCh	41, 39.774, 268.102
Yxy	12.1471, 0.1897, 0.2028
Android (android.graphics.Color)	4278216355 (0xFF0066A3)
YUV	78.4560, 41.6802, -68.8059
Hunter-Lab	34.8527, -2.8001, -37.5187

Details

The XYZ color **11.3622, 12.1471, 36.3961** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **16.7745, 11.1266, 1.2642**, and the grayscale version is **7.2637, 7.6420, 8.3221**.

A 20% lighter version of the original color is **27.9766, 29.8707, 70.6208**, and **4.2834, 3.9760, 15.5806** is the 20% darker color. If you saturate the color by 10%, you get **11.3615, 12.1456, 36.3961**, and if you desaturate by 10%, it is **12.2035, 13.5040, 36.6139**.

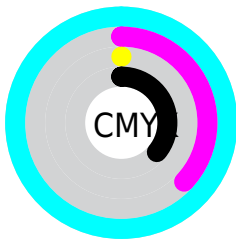
Distribution



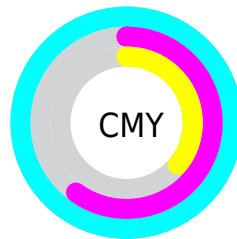
- Red (0%)
- Green (40%)
- Blue (64%)



- Red (0%)
- Yellow (25%)
- Blue (64%)



- Cyan (100%)
- Magenta (37%)
- Yellow (0%)
- Black (36%)



- Cyan (100%)
- Magenta (60%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.3622, 12.1471, 36.3961 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 11.3622, 12.1471, 36.3961 by changing the saturation by 10% instead.

■ 11.3622, 12.1471,
36.3961

■ 11.3622, 12.1471,
36.3961

■ 193.9933,
205.3767, 345.7782

■ 6.3801, 6.8439,
24.4482

■ 27.9551, 29.7627,
70.8189

■ 3.1204, 3.3647,
15.4511

■ 40.2965, 42.8440,
94.1309

■ 1.2177, 1.3250,
8.9865

■ 55.8218, 59.2868,
122.0679

■ 0.1203, 0.1604,
4.6357

■ 74.8963, 79.4754,
155.0485

■ 0.0000, 0.0000,
1.9802

■ 97.8854, 103.7943,
193.4913

■ 0.0000, 0.0000,
0.5430

■ 125.1543,

■ 0.0000, 0.0000,

132.6279, 237.8149

0.0000

157.0685,
166.3606, 288.4376

■ 11.3622, 12.1471,
36.3961

■ 11.3622, 12.1471,
36.3961

■ 11.3615, 12.1456,
36.3961

■ 12.2035, 13.5040,
36.6139

■ 13.2664, 15.0420,
36.8548

■ 14.6269, 16.8015,
37.1227

■ 16.3184, 18.8012,
37.4195

■ 18.3693, 21.0569,
37.7468

■ 20.8047, 23.5827,
38.1060

■ 23.6472, 26.3915,
38.4983

■ 26.9178, 29.4952,
38.9250

■ 30.6357, 32.9050,
39.3872

Harmonies

Analogous

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



8.8482, 12.1471, 31.8886



11.3622, 12.1471, 36.3961



14.3693, 12.1471, 32.8467

Triad

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



11.3622, 12.1471, 36.3961



17.1810, 12.1471, 7.0511



7.4371, 12.1471, 6.4671

Complementary

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



11.3622, 12.1471, 36.3961



16.7745, 11.1266, 1.2642

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.



9.1181, 12.1471, 3.5621



11.3622, 12.1471, 36.3961



14.7417, 12.1471, 3.7867

Square

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



11.3622, 12.1471, 36.3961



18.0461, 12.1471, 13.7608



11.7307, 12.1471, 2.8379



6.8300, 12.1471, 12.7055

Rectangle

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



11.3622, 12.1471, 36.3961



16.2012, 12.1471, 26.9744



11.7307, 12.1471, 2.8379



7.8798, 12.1471, 5.1843

Sweetspot

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



11.3627, 12.1475, 36.3964



42.0390, 46.9634, 68.9053



13.9075, 26.5187, 8.6304



8.9665, 10.0830, 15.4111



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



11.3627, 12.1475, 36.3964



20.1496, 21.3560, 65.1162



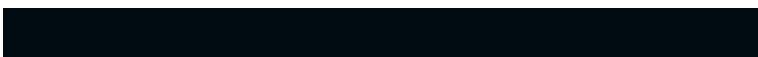
6.8934, 3.2090, 34.9067



7.0523, 7.5635, 8.9913



8.8745, 9.5284, 28.3012



0.2296, 0.2864, 0.6090

Inverse Universe

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



17.5030, 8.7464, 13.3364



31.2451, 15.6229, 23.3541



24.6693, 26.9162, 3.8958



7.2513, 7.1570, 8.3100



13.6249, 6.8060, 10.4813



0.3080, 0.1517, 0.3348

Previews

White Background



This preview shows how the XYZ color 11.3622, 12.1471, 36.3961 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 11.3622, 12.1471, 36.3961 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

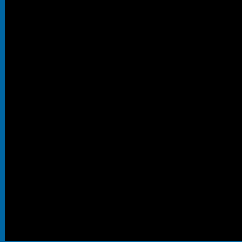
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 11.3622, 12.1471, 36.3961

Background



This preview shows how black text looks on a background with the XYZ color 11.3622, 12.1471, 36.3961.



This preview shows how white text looks on a background with the XYZ color 11.3622, 12.1471,

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

11.3622, 12.1471, 36.3961

Protanopia

13.0927, 12.2559, 33.5739

Deuteranopia

12.4847, 12.1458, 36.8083



Tritanopia

8.6210, 12.1982, 18.4231

Trichromacy



Original Color

11.3622, 12.1471, 36.3961

Protanomaly

11.7980, 11.8429, 34.4650

Deuteranomaly

11.7899, 11.9273, 36.8028

Tritanomaly

9.3877, 12.0015, 24.0120

Monochromacy



Original Color

11.3622, 12.1471, 36.3961

Achromatopsia

7.2414, 7.6185, 8.2966

Achromatomaly

7.4839, 8.5986, 15.7333

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.3622, 12.1471, 36.3961 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, 102, 163)` looks like.

```
.text, #text, p{  
    color:rgb(0, 102, 163)  
}
```

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, 102, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 102, 163) }
```

Border

The CSS property to change the border of an element to XYZ 11.3622, 12.1471, 36.3961 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, 102, 163) }
```


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

```
.border{ border-color:rgb(0, 102, 163) }
```

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

Here you see how a box with a 4 pixel rgb(0, 102, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 102, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 102, 163);  
box-shadow:4px 4px 4px 4px rgb(0, 102,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 11.3622, 12.1471, 36.3961 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 102, 163) }
```

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

```
.background{ background-color: rgb(0, 102,  
163) }
```

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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