

Converting Colors

XYZ(11.7502, 13.1578, 36.2487)

Have a look what the booklet for
XYZ(11.7502, 13.1578, 36.2487)
contains.

XYZ(11.7793, 13.1240, 36.0948)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	30

Color

**XYZ(11.7793, 13.1240,
36.0948)**

Conversions

Conversions Part 1

Format	Color
Hex	006BA2
RGB	0, 107, 162
RGB Percent	0%, 42%, 64%
CMY	0.9999, 0.5804, 0.3647
CMYK	1.00, 0.34, 0.00, 0.36
HSL	200°, 100%, 32%
HSV	200°, 100%, 64%
XYZ	11.7793, 13.1240, 36.0948
YIQ	81.2770, -81.4270, -5.5790

Conversions

Conversions Part 2

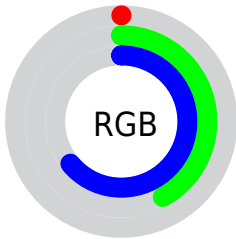
Format	Color
RYB	0, 64, 162
Decimal	27554
CIELab	42.95, -4.81, -36.78
CIELCh	43, 37.093, 262.554
Yxy	13.1240, 0.1931, 0.2152
Android (android.graphics.Color)	4278217634 (0xFF006BA2)
YUV	81.2770, 39.7964, -71.2799
Hunter-Lab	36.2271, -5.3577, -33.7146

Details

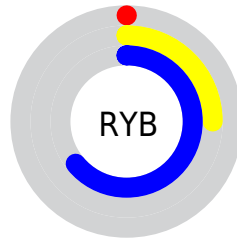
The XYZ color **11.7793, 13.1240, 36.0948** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **16.2682, 10.4168, 1.1541**, and the grayscale version is **7.8130, 8.2199, 8.9515**.

A 20% lighter version of the original color is **28.6817, 31.4897, 70.2121**, and **4.4303, 4.3575, 15.3594** is the 20% darker color. If you saturate the color by 10%, you get **11.7784, 13.1221, 36.0948**, and if you desaturate by 10%, it is **12.5890, 14.4203, 36.3026**.

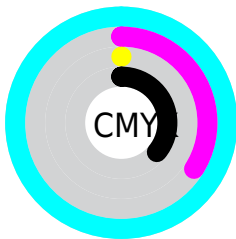
Distribution



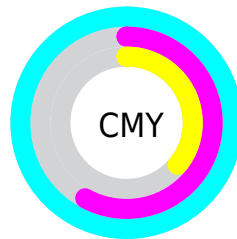
- Red (0%)
- Green (42%)
- Blue (64%)



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



- Cyan (100%)
- Magenta (34%)
- Yellow (0%)
- Black (36%)



- Cyan (100%)
- Magenta (58%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.7793, 13.1240, 36.0948 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 11.7793, 13.1240, 36.0948 by changing the saturation by 10% instead.

■ 11.7793, 13.1240,
36.0948

■ 11.7793, 13.1240,
36.0948

■ 196.7386,
211.7108, 344.4246

■ 6.6647, 7.5140,
24.2171

■ 28.7129, 31.5264,
70.3491

■ 3.2978, 3.7856,
15.2811

■ 41.2625, 45.0875,
93.5627

■ 1.3131, 1.5544,
8.8681

■ 57.0213, 62.0679,
121.3922

■ 0.1930, 0.3265,
4.5596

■ 76.3545, 82.8517,
154.2559

■ 0.0000, 0.0000,
1.9371

■ 99.6274, 107.8236,
192.5725

■ 0.0000, 0.0000,
0.5162

■ 127.2055,

■ 0.0000, 0.0000,

137.3678, 236.7604

0.0000

159.4541,
171.8687, 287.2383

■ 11.7793, 13.1240,
36.0948

■ 11.7793, 13.1240,
36.0948

■ 11.7784, 13.1221,
36.0948

■ 12.5890, 14.4203,
36.3026

■ 13.6095, 15.8802,
36.5306

■ 14.9162, 17.5437,
36.7829

■ 16.5413, 19.4285,
37.0610

■ 18.5128, 21.5497,
37.3665

■ 20.8551, 23.9209,
37.7008

■ 23.5904, 26.5544,
38.0649

■ 26.7391, 29.4614,
38.4601

■ 30.3199, 32.6526,
38.8873

Harmonies

Analogous

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



9.4385, 13.1240, 30.6580



11.7793, 13.1240, 36.0948



14.6888, 13.1240, 34.1560

Triad

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



11.7793, 13.1240, 36.0948



18.2299, 13.1240, 9.0897



8.6200, 13.1240, 6.7318

Complementary

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



11.7793, 13.1240, 36.0948



16.2682, 10.4168, 1.1541

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.



10.4938, 13.1240, 4.1636



11.7793, 13.1240, 36.0948



16.0991, 13.1240, 5.1199

Square

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



11.7793, 13.1240, 36.0948



18.7128, 13.1240, 16.4148



13.1954, 13.1240, 3.7130



7.8033, 13.1240, 12.3566

Rectangle

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



11.7793, 13.1240, 36.0948



16.5452, 13.1240, 29.1912



13.1954, 13.1240, 3.7130



9.1322, 13.1240, 5.5854

Sweetspot

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



11.7798, 13.1244, 36.0951



42.5131, 47.9117, 69.0633



13.5872, 26.1076, 7.8157



9.0845, 10.3190, 15.4505



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.



11.7798, 13.1244, 36.0951



21.1856, 23.4279, 65.4616



6.9145, 3.3939, 34.4734



7.0726, 7.6042, 8.9981



9.3202, 10.4198, 28.4498



0.2369, 0.3010, 0.6115

Inverse Universe

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



17.5546, 8.7437, 14.6726



31.7680, 15.8321, 26.1077



23.5654, 25.0110, 3.5865



7.2616, 7.1611, 8.3641



13.8499, 6.8960, 11.6659



0.3117, 0.1532, 0.3542

Previews

White Background



This preview shows how the XYZ color 11.7793, 13.1240, 36.0948 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 11.7793, 13.1240, 36.0948 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

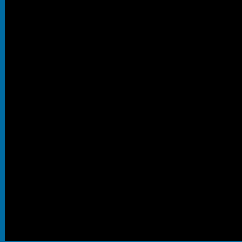
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 11.7793, 13.1240, 36.0948

Background



This preview shows how black text looks on a background with the XYZ color 11.7793, 13.1240, 36.0948.



This preview shows how white text looks on a background with the XYZ color 11.7793, 13.1240,

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

11.7793, 13.1240, 36.0948

Protanopia

13.7716, 13.0396, 32.8014

Deuteranopia

13.5422, 13.2709, 36.4981

Trichromacy



Original Color

11.7793, 13.1240, 36.0948

Protanomaly

12.3391, 12.7014, 34.1490

Deuteranomaly

12.4756, 13.0164, 36.5052

Monochromacy



Original Color

11.7793, 13.1240, 36.0948

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 11.7793, 13.1240, 36.0948 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, 162)` looks like.

```
.text, #text, p{  
    color:rgb(0, 107, 162)  
}
```

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, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 107, 162) }
```

Border

The CSS property to change the border of an element to XYZ 11.7793, 13.1240, 36.0948 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, 162) }
```

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

```
.border{ border-color:rgb(0, 107, 162) }
```

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, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 107, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 107, 162);  
box-shadow:4px 4px 4px 4px rgb(0, 107,  
162) }
```


Background

The CSS property to change the background color of an element to XYZ 11.7793, 13.1240, 36.0948 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, 162) }
```

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

```
.background{ background-color: rgb(0, 107,  
162) }
```

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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