

Converting Colors

XYZ(11.0461, 14.5417, 37.1707)

Have a look what the booklet for
XYZ(11.0461, 14.5417, 37.1707)
contains.

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Color

**XYZ(13.1793, 15.6372,
37.4456)**

Conversions

Conversions Part 1

Format	Color
Hex	0076A4
RGB	0, 118, 164
RGB Percent	0%, 46%, 64%
CMY	0.9999, 0.5373, 0.3569
CMYK	1.00, 0.28, 0.00, 0.36
HSL	197°, 100%, 32%
HSV	197°, 100%, 64%
XYZ	13.1793, 15.6372, 37.4456
YIQ	87.9620, -85.0940, -10.7100

Conversions

Conversions Part 2

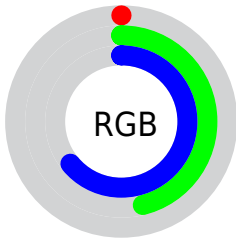
Format	Color
RYB	0, 69, 164
Decimal	30372
CIELab	46.49, -10.58, -32.37
CIELCh	46, 34.059, 251.902
Yxy	15.6372, 0.1989, 0.2360
Android (android.graphics.Color)	4278220452 (0xFF0076A4)
YUV	87.9620, 37.4867, -77.1427
Hunter-Lab	39.5439, -9.7109, -28.4632

Details

The XYZ color **13.1793, 15.6372, 37.4456** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **16.2884, 9.8491, 1.0435**, and the grayscale version is **9.2039, 9.6832, 10.5450**.

A 20% lighter version of the original color is **31.1854, 35.9386, 72.3110**, and **5.1148, 5.5502, 16.1309** is the 20% darker color. If you saturate the color by 10%, you get **13.1784, 15.6354, 37.4456**, and if you desaturate by 10%, it is **13.9557, 16.8617, 37.6414**.

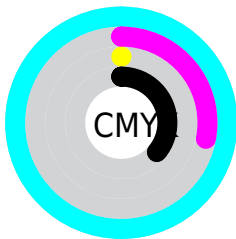
Distribution



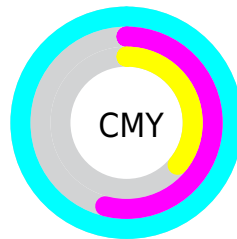
- Red (0%)
- Green (46%)
- Blue (64%)



- Red (0%)
- Yellow (27%)
- Blue (64%)



- Cyan (100%)
- Magenta (28%)
- Yellow (0%)
- Black (36%)



- Cyan (100%)
- Magenta (54%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.1793, 15.6372, 37.4456 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 13.1793, 15.6372, 37.4456 by changing the saturation by 10% instead.

■ 13.1793, 15.6372,
37.4456

■ 13.1793, 15.6372,
37.4456

205.6781,
227.1913, 350.4623

■ 7.6300, 9.2678,
25.2542

■ 31.2241, 35.9672,
72.4516

■ 3.9089, 4.9163,
16.0458

■ 44.4503, 50.6966,
96.1032

■ 1.6507, 2.1982,
9.4019

■ 60.9662, 68.9815,
124.4120

■ 0.4251, 0.7190,
4.9038

■ 81.1371, 91.2061,
157.7965

■ 0.0000, 0.0000,
2.1332

■ 105.3284,
117.7551, 196.6752

■ 0.0000, 0.0000,
0.6354

■ 133.9054,

■ 0.0000, 0.0000,

149.0127, 241.4668

0.0000

167.2335,
185.3633, 292.5896

■ 13.1793, 15.6372,
37.4456

■ 13.1793, 15.6372,
37.4456

■ 13.1784, 15.6354,
37.4456

■ 13.9557, 16.8617,
37.6414

■ 14.9383, 18.2321,
37.8541

■ 16.2034, 19.7884,
38.0878

■ 17.7842, 21.5484,
38.3442

■ 19.7090, 23.5270,
38.6247

■ 22.0029, 25.7377,
38.9305

■ 24.6885, 28.1927,
39.2628

■ 27.7864, 30.9030,
39.6226

■ 31.3158, 33.8791,
40.0111

Harmonies

Analogous

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



11.0492, 15.6372, 30.2455



13.1793, 15.6372, 37.4456



16.0559, 15.6372, 38.2147

Triad

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



13.1793, 15.6372, 37.4456



21.0896, 15.6372, 13.9088



11.4066, 15.6372, 7.6148

Complementary

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



13.1793, 15.6372, 37.4456



16.2884, 9.8491, 1.0435

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.



13.7301, 15.6372, 5.6105



13.1793, 15.6372, 37.4456



19.4659, 15.6372, 8.3595

Square

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



13.1793, 15.6372, 37.4456



20.8911, 15.6372, 22.5504



16.6836, 15.6372, 5.8287



10.1223, 15.6372, 12.4871

Rectangle

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



13.1793, 15.6372, 37.4456



18.0454, 15.6372, 34.7401



16.6836, 15.6372, 5.8287



12.0781, 15.6372, 6.6686

Sweetspot

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



13.1799, 15.6377, 37.4460



44.5087, 50.9014, 71.2314



13.7260, 26.7314, 6.7952



9.2899, 10.7298, 15.5190



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.



13.1799, 15.6377, 37.4460



23.7368, 28.0124, 67.9082



7.4038, 4.0855, 35.5206



7.1074, 7.6738, 9.0097



10.1462, 12.0717, 28.7251



0.2499, 0.3270, 0.6158

Inverse Universe

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



18.5804, 9.2013, 17.9367



33.6318, 16.6630, 32.0631



22.7380, 22.7483, 3.1933



7.2792, 7.1681, 8.4565



14.2668, 7.0628, 13.8614



0.3183, 0.1558, 0.3888

Previews

White Background



This preview shows how the XYZ color 13.1793, 15.6372, 37.4456 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 13.1793, 15.6372, 37.4456 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 13.1793, 15.6372, 37.4456

Background



This preview shows how black text looks on a background with the XYZ color 13.1793, 15.6372, 37.4456.

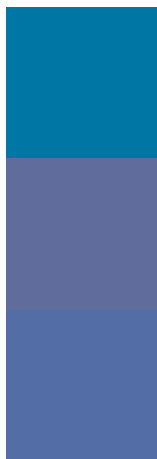


This preview shows how white text looks on a background with the XYZ color 13.1793, 15.6372,

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

13.1793, 15.6372, 37.4456

Protanopia

16.0826, 15.5583, 33.6079

Deuteranopia

15.9189, 15.5295, 38.2349



Tritanopia

11.0563, 15.5578, 23.8930

Trichromacy



Original Color

13.1793, 15.6372, 37.4456

Protanomaly

13.9157, 15.0522, 34.9728

Deuteranomaly

14.0539, 15.0618, 37.7638

Tritanomaly

11.7953, 15.6579, 28.3872

Monochromacy



Original Color

13.1793, 15.6372, 37.4456

Achromatopsia

9.2757, 9.7587, 10.6273

Achromatomaly

9.2451, 11.0254, 18.1638

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.1793, 15.6372, 37.4456 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, 118, 164)` looks like.

```
.text, #text, p{  
    color:rgb(0, 118, 164)  
}
```

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, 118, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 118, 164) }
```

Border

The CSS property to change the border of an element to XYZ 13.1793, 15.6372, 37.4456 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, 118, 164) }
```


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

```
.border{ border-color:rgb(0, 118, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 118, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 118, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 118, 164);  
box-shadow:4px 4px 4px 4px rgb(0, 118,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 13.1793, 15.6372, 37.4456 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 118, 164) }
```

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

```
.background{ background-color: rgb(0, 118,  
164) }
```

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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