

Converting Colors

XYZ(10.2197, 11.2398, 31.7679)

Have a look what the booklet for
XYZ(10.2197, 11.2398, 31.7679)
contains.

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Color

**XYZ(10.2116, 11.2236,
31.7652)**

Conversions

Conversions Part 1

Format	Color
Hex	006399
RGB	0, 99, 153
RGB Percent	0%, 39%, 60%
CMY	0.9999, 0.6118, 0.4000
CMYK	1.00, 0.35, 0.00, 0.40
HSL	201°, 100%, 30%
HSV	201°, 100%, 60%
XYZ	10.2116, 11.2236, 31.7652
YIQ	75.5550, -76.3380, -4.1940

Conversions

Conversions Part 2

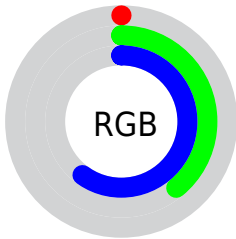
Format	Color
R _{YB}	0, 60, 153
Decimal	25497
CIE Lab	39.95, -3.49, -36.17
CIE LCh	40, 36.340, 264.493
Yxy	11.2236, 0.1919, 0.2110
Android (android.graphics.Color)	4278215577 (0xFF006399)
YUV	75.5550, 38.1804, -66.2617
Hunter-Lab	33.5016, -4.2195, -32.7658

Details

The XYZ color **10.2116, 11.2236, 31.7652** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **14.4573, 9.4128, 1.0555**, and the grayscale version is **6.7324, 7.0830, 7.7134**.

A 20% lighter version of the original color is **25.7888, 27.9338, 63.7071**, and **3.6221, 3.4858, 12.7938** is the 20% darker color. If you saturate the color by 10%, you get **10.2110, 11.2223, 31.7652**, and if you desaturate by 10%, it is **10.9430, 12.3859, 31.9513**.

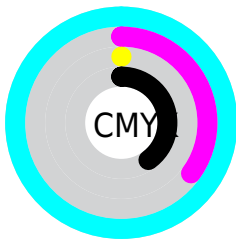
Distribution



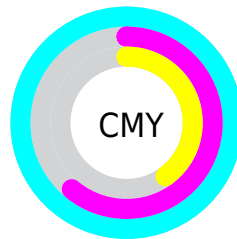
- Red (0%)
- Green (39%)
- Blue (60%)



- Red (0%)
- Yellow (24%)
- Blue (60%)



- Cyan (100%)
- Magenta (35%)
- Yellow (0%)
- Black (40%)



- Cyan (100%)
- Magenta (61%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.2116, 11.2236, 31.7652 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 10.2116, 11.2236, 31.7652 by changing the saturation by 10% instead.

■ 10.2116, 11.2236,
31.7652

■ 10.2116, 11.2236,
31.7652

186.1979,
199.1952, 324.5080

■ 5.6028, 6.2174,
20.9189

■ 25.8388, 28.0729,
63.5364

■ 2.6435, 2.9777,
12.8741

■ 37.5880, 40.6848,
85.2984

■ 0.9682, 1.1201,
7.2122

■ 52.4480, 56.6008,
111.5361

■ 0.0000, 0.0000,
3.5147

■ 70.7842, 76.2052,
142.6679

■ 0.0000, 0.0000,
1.3631

■ 92.9619, 99.8825,
179.1125

■ 0.0000, 0.0000,
0.1127

■ 119.3465,

■ 0.0000, 0.0000,

128.0170, 221.2883

0.0000

150.3034,
160.9931, 269.6140

■ 10.2116, 11.2236,
31.7652

■ 10.2116, 11.2236,
31.7652

■ 10.2110, 11.2223,
31.7652

■ 10.9430, 12.3859,
31.9513

■ 11.8582, 13.6947,
32.1556

■ 13.0270, 15.1868,
32.3820

■ 14.4773, 16.8778,
32.6320

■ 16.2334, 18.7808,
32.9068

■ 18.3166, 20.9078,
33.2075

■ 20.7461, 23.2696,
33.5353

■ 23.5396, 25.8761,
33.8912

■ 26.7137, 28.7365,
34.2760

Harmonies

Analogous

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



8.1050, 11.2236, 27.2622



10.2116, 11.2236, 31.7652



12.7943, 11.2236, 29.5880

Triad

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



10.2116, 11.2236, 31.7652



15.6850, 11.2236, 7.3428



7.2041, 11.2236, 5.8266

Complementary

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



10.2116, 11.2236, 31.7652



14.4573, 9.4128, 1.0555

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.



8.7908, 11.2236, 3.4690



10.2116, 11.2236, 31.7652



13.7206, 11.2236, 4.0735

Square

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



10.2116, 11.2236, 31.7652



16.2234, 11.2236, 13.5944



11.1372, 11.2236, 2.9843



6.5518, 11.2236, 10.9426

Rectangle

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



10.2116, 11.2236, 31.7652



14.4165, 11.2236, 24.9559



11.1372, 11.2236, 2.9843



7.6326, 11.2236, 4.7794

Sweetspot

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



10.2120, 11.2240, 31.7655



36.8711, 41.4037, 60.0204



12.0473, 23.0451, 7.2498



7.7583, 8.7737, 13.2021



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



10.2120, 11.2240, 31.7655



18.1068, 19.7380, 56.8275



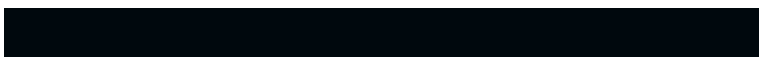
6.0559, 2.9116, 30.3801



6.2010, 6.6594, 7.8875



8.4713, 9.3392, 26.2639



0.1606, 0.2075, 0.4040

Inverse Universe

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



15.3894, 7.6737, 12.4747



27.4686, 13.7052, 21.8589



21.1269, 22.7520, 3.2787



6.3686, 6.2866, 7.3210



12.7347, 6.3481, 10.3937



0.2075, 0.1018, 0.2456

Previews

White Background



This preview shows how the XYZ color 10.2116, 11.2236, 31.7652 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 10.2116, 11.2236, 31.7652 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

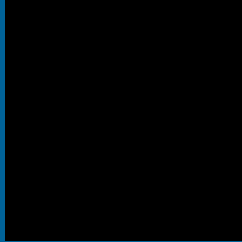
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 10.2116, 11.2236, 31.7652

Background



This preview shows how black text looks on a background with the XYZ color 10.2116, 11.2236, 31.7652.



This preview shows how white text looks on a background with the XYZ color 10.2116, 11.2236,

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

10.2116, 11.2236, 31.7652

Protanopia

11.9176, 11.2167, 29.1407

Deuteranopia

11.6123, 11.3874, 32.1578



Tritanopia

7.9762, 11.2730, 17.0848

Trichromacy



Original Color

10.2116, 11.2236, 31.7652

Protanomaly

10.6893, 10.9587, 29.9856

Deuteranomaly

10.7432, 11.0739, 32.1431

Tritanomaly

8.6810, 11.2328, 21.7893

Monochromacy



Original Color

10.2116, 11.2236, 31.7652

Achromatopsia

6.8694, 7.2272, 7.8704

Achromatomaly

6.8879, 7.9685, 14.2717

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.2116, 11.2236, 31.7652 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, 99, 153)` looks like.

```
.text, #text, p{  
    color:rgb(0, 99, 153)  
}
```

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, 99, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 99, 153) }
```

Border

The CSS property to change the border of an element to XYZ 10.2116, 11.2236, 31.7652 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, 99, 153) }
```


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

```
.border{ border-color:rgb(0, 99, 153) }
```

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

Here you see how a box with a 4 pixel rgb(0, 99, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 99, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 99, 153);  
box-shadow:4px 4px 4px 4px rgb(0, 99, 153)  
}
```

Background

The CSS property to change the background color of an element to XYZ 10.2116, 11.2236, 31.7652 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 99, 153) }
```

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

```
.background{ background-color: rgb(0, 99,  
153) }
```

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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