

Converting Colors

XYZ(7.4823, 12.9290, 28.9175)

Have a look what the booklet for
XYZ(7.4823, 12.9290, 28.9175)
contains.

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Color

**XYZ(11.5893, 15.0012,
29.0728)**

Conversions

Conversions Part 1

Format	Color
Hex	007691
RGB	0, 118, 145
RGB Percent	0%, 46%, 57%
CMY	0.9999, 0.5372, 0.4314
CMYK	1.00, 0.19, 0.00, 0.43
HSL	191°, 100%, 28%
HSV	191°, 100%, 57%
XYZ	11.5893, 15.0012, 29.0728
YIQ	85.7960, -78.9950, -16.6190

Conversions

Conversions Part 2

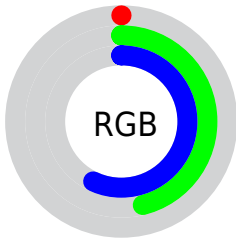
Format	Color
RYB	0, 65, 145
Decimal	30353
CIELab	45.64, -17.73, -22.52
CIELCh	46, 28.663, 231.779
Yxy	15.0012, 0.2082, 0.2695
Android (android.graphics.Color)	4278220433 (0xFF007691)
YUV	85.7960, 29.1876, -75.2431
Hunter-Lab	38.7314, -14.3687, -17.3927

Details

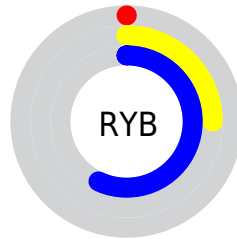
The XYZ color **11.5893, 15.0012, 29.0728** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **12.0698, 6.8048, 0.6780**, and the grayscale version is **8.7560, 9.2120, 10.0319**.

A 20% lighter version of the original color is **28.3397, 34.7578, 59.2481**, and **4.1485, 5.0644, 11.3486** is the 20% darker color. If you saturate the color by 10%, you get **11.5890, 15.0005, 29.0730**, and if you desaturate by 10%, it is **12.1014, 15.7444, 29.1896**.

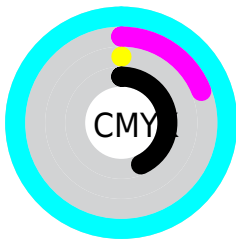
Distribution



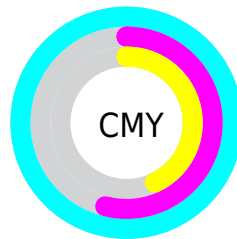
- Red (0%)
- Green (46%)
- Blue (57%)



- Red (0%)
- Yellow (25%)
- Blue (57%)



- Cyan (100%)
- Magenta (19%)
- Yellow (0%)
- Black (43%)



- Cyan (100%)
- Magenta (54%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.5893, 15.0012, 29.0728 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 11.5893, 15.0012, 29.0728 by changing the saturation by 10% instead.

■ 11.5893, 15.0012,
29.0728

■ 11.5893, 15.0012,
29.0728

■ 195.4930,
223.3735, 311.6300

■ 6.5349, 8.8202,
18.8898

■ 28.3682, 34.8553,
59.2363

■ 3.2167, 4.6241,
11.4147

■ 40.8235, 49.2972,
80.0539

■ 1.2694, 2.0284,
6.2288

■ 56.4764, 67.2615,
105.2535

■ 0.1601, 0.6239,
2.9137

■ 75.6923, 89.1327,
135.2536

■ 0.0000, 0.0000,
1.0507

■ 98.8365, 115.2951,
170.4728

■ 0.0000, 0.0000,
0.0000

■ 126.2745,

146.1331, 211.3295

158.3715,
182.0311, 258.2424

■ 11.5893, 15.0012,
29.0728

■ 11.5893, 15.0012,
29.0728

■ 11.5890, 15.0005,
29.0730

■ 12.1014, 15.7444,
29.1896

■ 12.7513, 16.5719,
29.3150

■ 13.6033, 17.5173,
29.4526

■ 14.6816, 18.5933,
29.6035

■ 16.0068, 19.8105,
29.7686

■ 17.5970, 21.1784,
29.9488

■ 19.4688, 22.7056,
30.1449

■ 21.6371, 24.3999,
30.3577

■ 24.1160, 26.2687,
30.5877

Harmonies

Analogous

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



10.3877, 15.0012, 21.7445



11.5893, 15.0012, 29.0728



13.6084, 15.0012, 33.2173

Triad

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



11.5893, 15.0012, 29.0728



19.3307, 15.0012, 18.2976



12.6136, 15.0012, 6.8779

Complementary

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



11.5893, 15.0012, 29.0728



12.0698, 6.8048, 0.6780

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.



14.9283, 15.0012, 6.4341



11.5893, 15.0012, 29.0728



18.9874, 15.0012, 11.9044

Square

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



11.5893, 15.0012, 29.0728



18.1998, 15.0012, 25.9514



17.3083, 15.0012, 7.9952



10.9312, 15.0012, 9.4452

Rectangle

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



11.5893, 15.0012, 29.0728



15.2211, 15.0012, 32.9891



17.3083, 15.0012, 7.9952



13.3367, 15.0012, 6.5110

Sweetspot

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



11.5898, 15.0017, 29.0732



34.6343, 40.4773, 53.9610



10.3191, 20.3285, 4.3929



7.4146, 8.7706, 11.9743



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



11.5898, 15.0017, 29.0732



20.6355, 26.6266, 52.0254



6.0856, 3.9933, 27.2384



5.4761, 5.9479, 6.8882



9.9576, 12.9012, 24.9424



0.1095, 0.1519, 0.2432

Inverse Universe

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



14.9476, 7.3284, 17.7667



26.7079, 13.0989, 31.4998



16.1479, 14.9609, 2.0374



5.5838, 5.4940, 6.5722



12.8292, 6.2887, 15.2840



0.1299, 0.0630, 0.1841

Previews

White Background



This preview shows how the XYZ color 11.5893, 15.0012, 29.0728 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 11.5893, 15.0012, 29.0728 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

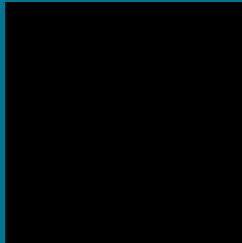
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 11.5893, 15.0012, 29.0728

Background



This preview shows how black text looks on a background with the XYZ color 11.5893, 15.0012, 29.0728.

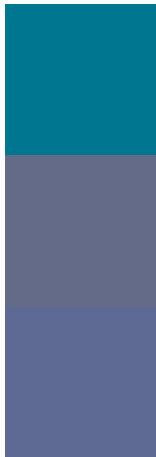


This preview shows how white text looks on a background with the XYZ color 11.5893, 15.0012,

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

11.5893, 15.0012, 29.0728

Protanopia

15.0286, 15.0309, 25.7761

Deuteranopia

15.2186, 14.8791, 30.0868



Tritanopia

10.6789, 15.0179, 23.1048

Trichromacy



Original Color

11.5893, 15.0012, 29.0728

Protanomaly

12.5324, 14.3523, 26.9207

Deuteranomaly

12.7059, 14.2191, 29.6787

Tritanomaly

10.9700, 14.9429, 25.2278

Monochromacy



Original Color

11.5893, 15.0012, 29.0728

Achromatopsia

8.8453, 9.3059, 10.1341

Achromatomaly

8.5971, 10.6091, 15.5046

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.5893, 15.0012, 29.0728 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, 145)` looks like.

```
.text, #text, p{  
    color:rgb(0, 118, 145)  
}
```

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, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 118, 145) }
```

Border

The CSS property to change the border of an element to XYZ 11.5893, 15.0012, 29.0728 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, 145) }
```


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

```
.border{ border-color:rgb(0, 118, 145) }
```

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, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 118, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 118, 145);  
box-shadow:4px 4px 4px 4px rgb(0, 118,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 11.5893, 15.0012, 29.0728 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, 145) }
```

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

```
.background{ background-color: rgb(0, 118,  
145) }
```

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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