

Converting Colors

XYZ(11.9393, 13.0858, 28.6236)

Have a look what the booklet for
XYZ(11.9393, 13.0858, 28.6236)
contains.

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Color

**XYZ(11.9660, 13.0773,
28.6816)**

Conversions

Conversions Part 1

Format	Color
Hex	3B6991
RGB	59, 105, 145
RGB Percent	23%, 41%, 57%
CMY	0.7686, 0.5882, 0.4314
CMYK	0.59, 0.28, 0.00, 0.43
HSL	208°, 42%, 40%
HSV	208°, 59%, 57%
XYZ	11.9660, 13.0773, 28.6816
YIQ	95.8060, -40.2560, 2.6880

Conversions

Conversions Part 2

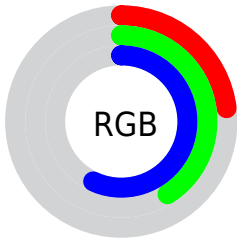
Format	Color
R_{YB}	59, 89, 145
Decimal	3893649
CIE _{Lab}	42.88, -3.20, -26.69
CIE _{LCh}	43, 26.881, 263.173
Yxy	13.0773, 0.2227, 0.2434
Android (android.graphics.Color)	4282083729 (0xFF3B6991)
YUV	95.8060, 24.2526, -32.2789
Hunter-Lab	36.1625, -4.2197, -21.7109

Details

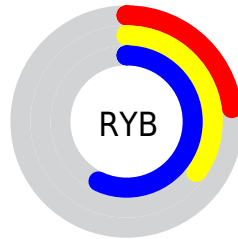
The XYZ color **11.9660, 13.0773, 28.6816** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **16.9287, 15.2597, 6.1913**, and the grayscale version is **11.0218, 11.5958, 12.6278**.

A 20% lighter version of the original color is **29.0073, 31.4112, 58.5669**, and **3.5334, 3.8343, 11.1435** is the 20% darker color. If you saturate the color by 10%, you get **10.5632, 11.3747, 28.4272**, and if you desaturate by 10%, it is **13.6630, 15.0129, 28.9660**.

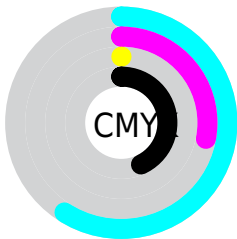
Distribution



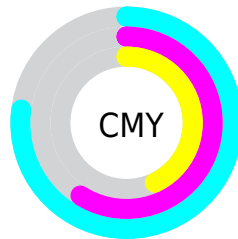
- Red (23%)
- Green (41%)
- Blue (57%)



- Red (23%)
- Yellow (35%)
- Blue (57%)



- Cyan (59%)
- Magenta (28%)
- Yellow (0%)
- Black (43%)



- Cyan (77%)
- Magenta (59%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.9660, 13.0773, 28.6816 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 11.9660, 13.0773, 28.6816 by changing the saturation by 10% instead.

■ 11.9660, 13.0773,
28.6816

■ 11.9660, 13.0773,
28.6816

■ 197.9546,
211.4125, 309.7235

■ 6.7926, 7.4818,
18.5966

■ 29.0506, 31.4426,
58.6070

■ 3.3779, 3.7652,
11.2053

■ 41.6924, 44.9812,
79.2844

■ 1.3566, 1.5431,
6.0892

■ 57.5544, 61.9362,
104.3297

■ 0.2250, 0.3188,
2.8297

■ 77.0020, 82.6921,
134.1614

■ 0.0000, 0.0000,
1.0084

■ 100.4004,
107.6333, 169.1981

■ 0.0000, 0.0000,
0.0000

128.1151,

137.1442, 209.8584

160.5113,
171.6091, 256.5606

■ 11.9660, 13.0773,
28.6816

■ 11.9660, 13.0773,
28.6816

■ 10.5632, 11.3747,
28.4272

■ 13.6630, 15.0129,
28.9660

■ 9.4315, 9.8907,
28.2004

■ 15.6720, 17.1919,
29.2807

■ 8.5465, 8.6109,
28.0000

■ 18.0109, 19.6253,
29.6271

■ 7.8496, 7.5031,
27.8229

■ 20.6958, 22.3232,
30.0064

■ 7.8040, 7.4306,
27.8113

■ 23.7417, 25.2950,
30.4195

■ 27.1625, 28.5495,
30.8674

■ 30.9716, 32.0951,
31.3510

■ 35.1814, 35.9398,
31.8712

■ 39.8041, 40.0911,
32.4288

Harmonies

Analogous

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



10.2094, 13.0773, 25.3477



11.9660, 13.0773, 28.6816



14.0495, 13.0773, 27.3743

Triad

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



11.9660, 13.0773, 28.6816



16.4255, 13.0773, 10.2355



9.5286, 13.0773, 8.4782

Complementary

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



11.9660, 13.0773, 28.6816



16.9287, 15.2597, 6.1913

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.



10.9393, 13.0773, 6.1663



11.9660, 13.0773, 28.6816



14.9504, 13.0773, 6.9683

Square

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



11.9660, 13.0773, 28.6816



16.7780, 13.0773, 15.6262



12.9050, 13.0773, 5.7020



8.9060, 13.0773, 12.9363

Rectangle

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



11.9660, 13.0773, 28.6816



15.3325, 13.0773, 24.1836



12.9050, 13.0773, 5.7020



9.9184, 13.0773, 7.4803

Sweetspot

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



11.9665, 13.0778, 28.6819



37.5441, 40.4529, 53.8030



14.1199, 22.0571, 14.9949



8.0535, 8.7034, 11.9277



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.



11.9665, 13.0778, 28.6819



18.2234, 19.4859, 50.7742



8.7090, 6.5629, 27.5961



5.3534, 5.7026, 6.8473



6.7199, 6.4257, 23.8632



0.0863, 0.1056, 0.2355

Inverse Universe

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



15.7912, 10.1680, 14.4954



26.0558, 15.0029, 21.3917



21.9475, 25.2973, 7.8642



5.5219, 5.4693, 6.2461



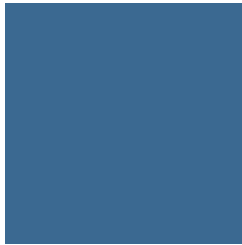
11.1950, 5.6350, 6.6781



0.1182, 0.0583, 0.1225

Previews

White Background



This preview shows how the XYZ color 11.9660, 13.0773, 28.6816 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 11.9660, 13.0773, 28.6816 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 11.9660, 13.0773, 28.6816

Background



This preview shows how black text looks on a background with the XYZ color 11.9660, 13.0773, 28.6816.

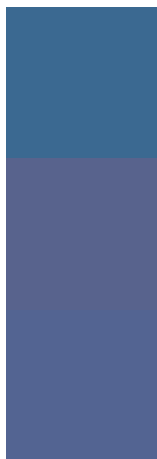


This preview shows how white text looks on a background with the XYZ color 11.9660, 13.0773,

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

11.9660, 13.0773, 28.6816

Protanopia

13.2941, 12.9215, 26.9927

Deuteranopia

13.3128, 13.0287, 29.0073



Tritanopia

10.1246, 13.1121, 19.4500

Trichromacy



Original Color

11.9660, 13.0773, 28.6816

Protanomaly

12.5967, 12.8381, 27.4053

Deuteranomaly

12.7637, 13.0339, 29.0372

Tritanomaly

10.6750, 13.0137, 22.3713

Monochromacy



Original Color

11.9660, 13.0773, 28.6816

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

11.0664, 11.9776, 17.6482

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.9660, 13.0773, 28.6816 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(59, 105, 145)` looks like.

```
.text, #text, p{  
    color:rgb(59, 105, 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(59, 105, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 105, 145) }
```

Border

The CSS property to change the border of an element to XYZ 11.9660, 13.0773, 28.6816 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(59, 105, 145) }
```


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

```
.border{ border-color:rgb(59, 105, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 105, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 105, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 105, 145);  
box-shadow:4px 4px 4px 4px rgb(59, 105,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 11.9660, 13.0773, 28.6816 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 105, 145) }
```

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

```
.background{ background-color: rgb(59, 105,  
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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