

Converting Colors

XYZ(11.5778, 12.5869, 21.5580)

Have a look what the booklet for
XYZ(11.5778, 12.5869, 21.5580)
contains.

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Color

**XYZ(11.5778, 12.5869,
21.5580)**

Conversions

Conversions Part 1

Format	Color
Hex	4D667E
RGB	77, 102, 126
RGB Percent	30%, 40%, 49%
CMY	0.6980, 0.6000, 0.5059
CMYK	0.39, 0.19, 0.00, 0.51
HSL	209°, 24%, 40%
HSV	209°, 39%, 49%
XYZ	11.5778, 12.5869, 21.5580
YIQ	97.2610, -22.6040, 2.1640

Conversions

Conversions Part 2

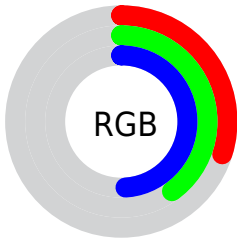
Format	Color
R_{YB}	77, 94, 126
Decimal	5072510
CIE _{Lab}	42.13, -2.72, -16.34
CIE _{LCh}	42, 16.562, 260.540
Yxy	12.5869, 0.2532, 0.2753
Android (android.graphics.Color)	4283262590 (0xFF4D667E)
YUV	97.2610, 14.1683, -17.7689
Hunter-Lab	35.4780, -3.8353, -11.1926

Details

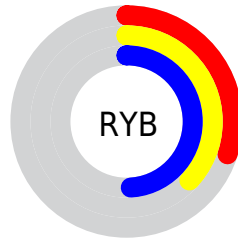
The XYZ color **11.5778, 12.5869, 21.5580** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **14.5976, 14.2789, 9.0081**, and the grayscale version is **11.3970, 11.9905, 13.0577**.

A 20% lighter version of the original color is **28.4300, 30.6263, 47.0609**, and **3.1846, 3.5151, 7.5318** is the 20% darker color. If you saturate the color by 10%, you get **10.0740, 10.9448, 21.3205**, and if you desaturate by 10%, it is **13.3246, 14.4218, 21.8203**.

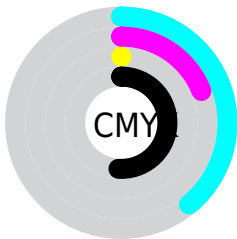
Distribution



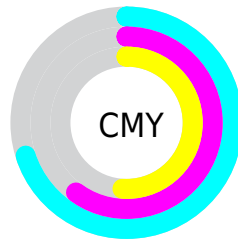
- Red (30%)
- Green (40%)
- Blue (49%)



- Red (30%)
- Yellow (37%)
- Blue (49%)



- Cyan (39%)
- Magenta (19%)
- Yellow (0%)
- Black (51%)



- Cyan (70%)
- Magenta (60%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.5778, 12.5869, 21.5580 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 11.5778, 12.5869, 21.5580 by changing the saturation by 10% instead.

■ 11.5778, 12.5869,
21.5580

■ 11.5778, 12.5869,
21.5580

195.4174,
208.2529, 273.1071

■ 6.5270, 7.1447,
13.3373

■ 28.3474, 30.5596,
46.9072

■ 3.2118, 3.5528,
7.5278

■ 40.7969, 43.8589,
64.8727

■ 1.2667, 1.4267,
3.7109

■ 56.4433, 60.5460,
86.9235

■ 0.1581, 0.2363,
1.4681

■ 75.6521, 81.0054,
113.4783

■ 0.0000, 0.0000,
0.1940

■ 98.7885, 105.6214,
144.9555

■ 0.0000, 0.0000,
0.0000

126.2180,

134.7784, 181.7737

158.3058,
168.8607, 224.3513

■ 11.5778, 12.5869,
21.5580

■ 11.5778, 12.5869,
21.5580

■ 10.0740, 10.9448,
21.3205

■ 13.3246, 14.4218,
21.8203

■ 8.7994, 9.4863,
21.1062

■ 15.3246, 16.4554,
22.1075

■ 7.7411, 8.2032,
20.9143

■ 17.5888, 18.6951,
22.4204

■ 6.8836, 7.0863,
20.7439

■ 20.1273, 21.1473,
22.7599

■ 6.2096, 6.1249,
20.5939

■ 22.9496, 23.8182,
23.1267

■ 5.6724, 5.2932,
20.4616

■ 26.0646, 26.7137,
23.5214

■ 5.6157, 5.2059,
20.4478

■ 29.4811, 29.8395,
23.9447

■ 33.2071, 33.2010,
24.3971

■ 37.2507, 36.8034,
24.8794

Harmonies

Analogous

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



10.5183, 12.5869, 19.6479



11.5778, 12.5869, 21.5580



12.8152, 12.5869, 21.1021

Triad

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



11.5778, 12.5869, 21.5580



14.3252, 12.5869, 11.4568



10.2238, 12.5869, 9.8248

Complementary

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



11.5778, 12.5869, 21.5580



14.5976, 14.2789, 9.0081

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.



11.1503, 12.5869, 8.2767



11.5778, 12.5869, 21.5580



13.5353, 12.5869, 9.1004

Square

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



11.5778, 12.5869, 21.5580



14.4593, 12.5869, 14.8522



12.3576, 12.5869, 8.0365



9.7728, 12.5869, 12.6184

Rectangle

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



11.5778, 12.5869, 21.5580



13.5725, 12.5869, 19.5434



12.3576, 12.5869, 8.0365



10.4869, 12.5869, 9.1632

Sweetspot

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



11.5782, 12.5874, 21.5583



29.5545, 31.5284, 39.2723



12.8552, 17.4332, 14.9184



6.6311, 7.0813, 8.9204



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



11.5782, 12.5874, 21.5583



17.9263, 19.4815, 37.5598



9.5381, 8.5072, 20.8783



4.2761, 4.5461, 5.4654



5.7568, 5.3322, 20.9757



0.0000, 0.0000, 0.0000

Inverse Universe

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



13.6566, 10.7030, 13.9170



22.2550, 16.0396, 21.5375



17.3008, 19.6854, 9.9092



4.4122, 4.3780, 4.9750



9.7828, 4.9328, 5.4457



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 11.5778, 12.5869, 21.5580 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 11.5778, 12.5869, 21.5580 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

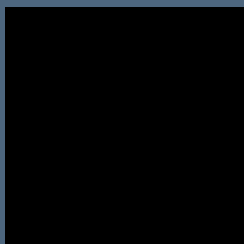
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

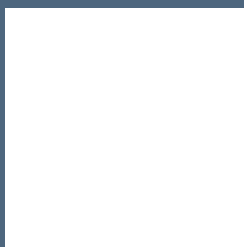
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 11.5778, 12.5869, 21.5580

Background



This preview shows how black text looks on a background with the XYZ color 11.5778, 12.5869, 21.5580.

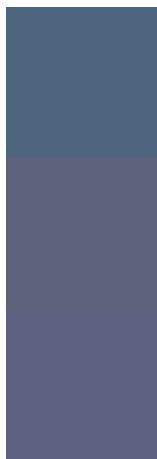


This preview shows how white text looks on a background with the XYZ color 11.5778, 12.5869,

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

11.5778, 12.5869, 21.5580

Protanopia

12.4570, 12.4926, 20.4936

Deuteranopia

12.7216, 12.4614, 21.8135



Tritanopia

10.7550, 12.5487, 17.4781

Trichromacy



Original Color

11.5778, 12.5869, 21.5580

Protanomaly

12.0304, 12.4052, 20.8291

Deuteranomaly

12.3171, 12.5307, 21.8482

Tritanomaly

11.0219, 12.5044, 18.9722

Monochromacy



Original Color

11.5778, 12.5869, 21.5580

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

11.3851, 12.1800, 15.9383

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.5778, 12.5869, 21.5580 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(77, 102, 126)` looks like.

```
.text, #text, p{  
    color:rgb(77, 102, 126)  
}
```

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(77, 102, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 102, 126) }
```

Border

The CSS property to change the border of an element to XYZ 11.5778, 12.5869, 21.5580 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(77, 102, 126) }
```


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

```
.border{ border-color:rgb(77, 102, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 102, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 102, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 102, 126);  
box-shadow:4px 4px 4px 4px rgb(77, 102,  
126) }
```

Background

The CSS property to change the background color of an element to XYZ 11.5778, 12.5869, 21.5580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 102, 126) }
```

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

```
.background{ background-color: rgb(77, 102,  
126) }
```

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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