

Converting Colors

XYZ(16.1183, 18.8729, 26.0861)

Have a look what the booklet for
XYZ(16.1183, 18.8729, 26.0861)
contains.

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Color

**XYZ(16.1212, 18.8729,
26.0857)**

Conversions

Conversions Part 1

Format	Color
Hex	5A7E88
RGB	90, 126, 136
RGB Percent	35%, 49%, 53%
CMY	0.6471, 0.5059, 0.4667
CMYK	0.34, 0.07, 0.00, 0.47
HSL	193°, 20%, 44%
HSV	193°, 34%, 53%
XYZ	16.1212, 18.8729, 26.0857
YIQ	116.3760, -24.6660, -4.5220

Conversions

Conversions Part 2

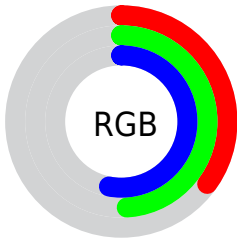
Format	Color
R _Y B	90, 110, 136
Decimal	5930632
CIE Lab	50.54, -10.03, -9.49
CIE LCh	51, 13.811, 223.431
Yxy	18.8729, 0.2639, 0.3090
Android (android.graphics.Color)	4284120712 (0xFF5A7E88)
YUV	116.3760, 9.6746, -23.1318
Hunter-Lab	43.4430, -9.7858, -5.1911

Details

The XYZ color **16.1212, 18.8729, 26.0857** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **16.5562, 15.0869, 11.7127**, and the grayscale version is **16.6929, 17.5623, 19.1253**.

A 20% lighter version of the original color is **36.4607, 41.6651, 54.2646**, and **5.2480, 6.4511, 9.7727** is the 20% darker color. If you saturate the color by 10%, you get **14.5452, 17.5080, 25.9056**, and if you desaturate by 10%, it is **17.9516, 20.3865, 26.2817**.

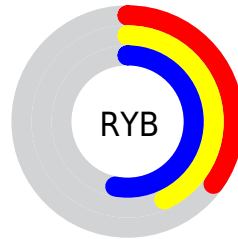
Distribution



Red (35%)

Green (49%)

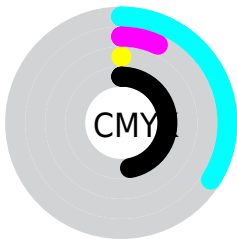
Blue (53%)



Red (35%)

Yellow (43%)

Blue (53%)

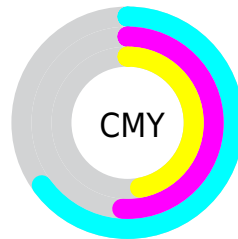


Cyan (34%)

Magenta (7%)

Yellow (0%)

Black (47%)



Cyan (65%)

Magenta (51%)

Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.1212, 18.8729, 26.0857 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 16.1212, 18.8729, 26.0857 by changing the saturation by 10% instead.

■ 16.1212, 18.8729,
26.0857

■ 16.1212, 18.8729,
26.0857

223.3122,
245.7462, 296.8214

■ 9.7013, 11.5785,
16.6614

■ 36.3642, 41.5192,
54.3989

■ 5.2621, 6.4573,
9.8340

■ 50.9181, 57.6399,
74.1250

■ 2.4382, 3.1251,
5.1849

■ 68.9141, 77.4715,
98.1221

■ 0.8642, 1.1974,
2.2955

■ 90.7175, 101.3983,
126.8087

■ 0.0000, 0.0596,
0.7287

116.6936,
129.8048, 160.6034

■ 0.0000, 0.0000,
0.0000

147.2079,

163.0753, 199.9247

182.6256,
201.5943, 245.1912

■ 16.1212, 18.8729,
26.0857

■ 16.1212, 18.8729,
26.0857

■ 14.5452, 17.5080,
25.9056

■ 17.9516, 20.3865,
26.2817

■ 13.2085, 16.2824,
25.7395

■ 20.0470, 22.0529,
26.4929

■ 12.0973, 15.1894,
25.5871

■ 22.4194, 23.8790,
26.7203

■ 11.1951, 14.2203,
25.4476

■ 25.0796, 25.8705,
26.9645

■ 10.4835, 13.3655,
25.3201

■ 28.0379, 28.0328,
27.2260

■ 9.9397, 12.6130,
25.2035

■ 31.3039, 30.3710,
27.5052

■ 9.6434, 12.1764,
25.1349

■ 34.8869, 32.8899,
27.8025

■ 38.7957, 35.5944,
28.1185

■ 43.0387, 38.4889,
28.4536

Harmonies

Analogous

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



15.5337, 18.8729, 22.3219



16.1212, 18.8729, 26.0857



17.2092, 18.8729, 28.5155

Triad

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



16.1212, 18.8729, 26.0857



20.5384, 18.8729, 22.7394



17.3429, 18.8729, 14.1428

Complementary

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



16.1212, 18.8729, 26.0857



16.5562, 15.0869, 11.7127

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.



18.6874, 18.8729, 14.2250



16.1212, 18.8729, 26.0857



20.5787, 18.8729, 18.8733

Square

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



16.1212, 18.8729, 26.0857



19.7794, 18.8729, 26.4242



19.8867, 18.8729, 15.8577



16.2149, 18.8729, 15.6170

Rectangle

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



16.1212, 18.8729, 26.0857



18.0936, 18.8729, 28.8840



19.8867, 18.8729, 15.8577



17.7835, 18.8729, 13.9955

Sweetspot

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



16.1218, 18.8736, 26.0861



36.7784, 39.9906, 46.8289



15.3196, 20.7018, 15.2370



8.4019, 9.1719, 10.8338



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



16.1218, 18.8736, 26.0861



26.1360, 31.2995, 45.7122



13.5143, 13.6588, 25.2170



5.0822, 5.5073, 6.4010



9.1340, 11.5383, 23.7914



0.0713, 0.0978, 0.1616

Inverse Universe

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



17.5758, 14.0534, 21.5257



29.1932, 21.6343, 36.0186



19.0780, 20.1305, 12.5533



5.1881, 5.1107, 6.0790



12.0972, 5.9490, 13.5482



0.0857, 0.0417, 0.1181

Previews

White Background



This preview shows how the XYZ color 16.1212, 18.8729, 26.0857 looks on a white 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

Black Background



This preview shows how the XYZ color 16.1212, 18.8729, 26.0857 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

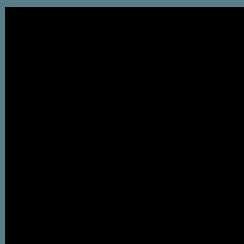
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.1212, 18.8729, 26.0857

Background



This preview shows how black text looks on a background with the XYZ color 16.1212, 18.8729, 26.0857.



This preview shows how white text looks on a background with the XYZ color 16.1212, 18.8729,

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

16.1212, 18.8729, 26.0857

Protanopia

18.3694, 18.7815, 24.4868

Deuteranopia

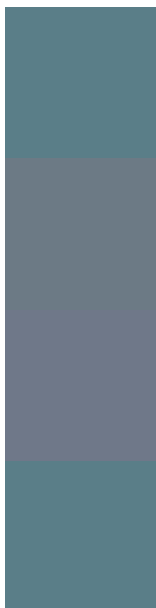
19.1171, 18.7685, 26.6599



Tritanopia

16.1212, 18.8729, 26.0857

Trichromacy



Original Color

16.1212, 18.8729, 26.0857

Protanomaly

17.3775, 18.8007, 24.9033

Deuteranomaly

17.7874, 18.6186, 26.3232

Tritanomaly

16.1212, 18.8729, 26.0857

Monochromacy



Original Color

16.1212, 18.8729, 26.0857

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

16.3550, 17.9888, 21.3491

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.1212, 18.8729, 26.0857 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(90, 126, 136) looks like.

```
.text, #text, p{  
    color:rgb(90, 126, 136)  
}
```

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(90, 126, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 126, 136) }
```

Border

The CSS property to change the border of an element to XYZ 16.1212, 18.8729, 26.0857 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(90, 126, 136) }
```


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

```
.border{ border-color:rgb(90, 126, 136) }
```

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

Here you see how a box with a 4 pixel rgb(90, 126, 136) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 126, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 126, 136);  
box-shadow:4px 4px 4px 4px rgb(90, 126,  
136) }
```

Background

The CSS property to change the background color of an element to XYZ 16.1212, 18.8729, 26.0857 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 126, 136) }
```

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

```
.background{ background-color: rgb(90, 126,  
136) }
```

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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