

Converting Colors

XYZ(16.9704, 19.2420, 30.8118)

Have a look what the booklet for
XYZ(16.9704, 19.2420, 30.8118)
contains.

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Color

**XYZ(16.9260, 19.1837,
30.8277)**

Conversions

Conversions Part 1

Format	Color
Hex	597E94
RGB	89, 126, 148
RGB Percent	35%, 49%, 58%
CMY	0.6510, 0.5059, 0.4196
CMYK	0.40, 0.15, 0.00, 0.42
HSL	202°, 25%, 46%
HSV	202°, 40%, 58%
XYZ	16.9260, 19.1837, 30.8277
YIQ	117.4450, -29.1140, -1.0020

Conversions

Conversions Part 2

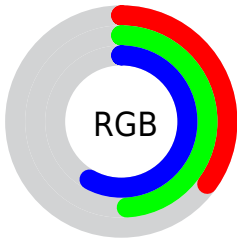
Format	Color
R_{YB}	89, 112, 148
Decimal	5865108
CIE _{Lab}	50.90, -7.06, -15.98
CIE _{LCh}	51, 17.473, 246.151
Yxy	19.1837, 0.2529, 0.2866
Android (android.graphics.Color)	4284055188 (0xFF597E94)
YUV	117.4450, 15.0636, -24.9463
Hunter-Lab	43.7992, -7.6681, -11.0713

Details

The XYZ color **16.9260, 19.1837, 30.8277** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **19.7008, 18.3864, 11.9624**, and the grayscale version is **17.0083, 17.8940, 19.4866**.

A 20% lighter version of the original color is **37.7653, 42.1672, 62.0258**, and **5.6109, 6.5829, 12.2842** is the 20% darker color. If you saturate the color by 10%, you get **14.9598, 17.1517, 30.5394**, and if you desaturate by 10%, it is **19.2179, 21.4423, 31.1432**.

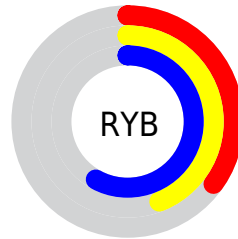
Distribution



Red (35%)

Green (49%)

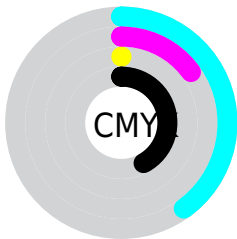
Blue (58%)



Red (35%)

Yellow (44%)

Blue (58%)

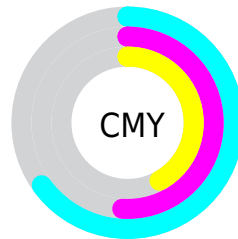


Cyan (40%)

Magenta (15%)

Yellow (0%)

Black (42%)



Cyan (65%)

Magenta (51%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.9260, 19.1837, 30.8277 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 16.9260, 19.1837, 30.8277 by changing the saturation by 10% instead.

■ 16.9260, 19.1837,
30.8277

■ 16.9260, 19.1837,
30.8277

227.9101,
247.4610, 320.0703

■ 10.2767, 11.8031,
20.2103

■ 37.7431, 42.0443,
62.0451

■ 5.6465, 6.6097,
12.3624

■ 52.6417, 58.2930,
83.4822

■ 2.6699, 3.2193,
6.8655

■ 71.0207, 78.2666,
109.3629

■ 0.9817, 1.2472,
3.3009

■ 93.2455, 102.3495,
140.1059

■ 0.0000, 0.0998,
1.2503

119.6815,
130.9259, 176.1295

■ 0.0000, 0.0000,
0.0205

150.6940,

■ 0.0000, 0.0000,

164.3804, 217.8525

0.0000

186.6485,
203.0973, 265.6932

■ 16.9260, 19.1837,
30.8277

■ 16.9260, 19.1837,
30.8277

■ 14.9598, 17.1517,
30.5394

■ 19.2179, 21.4423,
31.1432

■ 13.2997, 15.3339,
30.2761

■ 21.8500, 23.9345,
31.4855

■ 11.9266, 13.7199,
30.0369

■ 24.8382, 26.6700,
31.8560

■ 10.8182, 12.2974,
29.8208

■ 28.1967, 29.6567,
32.2555

■ 9.9485, 11.0520,
29.6262

■ 31.9391, 32.9026,
32.6848

■ 9.2527, 9.9491,
29.4500

■ 36.0780, 36.4151,
33.1446

■ 9.2436, 9.9346,
29.4477

■ 40.6255, 40.2011,
33.6357

■ 45.5932, 44.2675,
34.1588

■ 50.9924, 48.6208,
34.7145

Harmonies

Analogous

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



15.6861, 19.1837, 27.0026



16.9260, 19.1837, 30.8277



18.5910, 19.1837, 31.8179

Triad

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



16.9260, 19.1837, 30.8277



21.7313, 19.1837, 19.8872



16.3474, 19.1837, 14.1225

Complementary

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



16.9260, 19.1837, 30.8277



19.7008, 18.3864, 11.9624

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.



17.8807, 19.1837, 12.8003



16.9260, 19.1837, 30.8277



21.0428, 19.1837, 15.7737

Square

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



16.9260, 19.1837, 30.8277



21.4360, 19.1837, 24.9656



19.6067, 19.1837, 13.3534



15.3671, 19.1837, 17.2801

Rectangle

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



16.9260, 19.1837, 30.8277



19.7336, 19.1837, 30.6193



19.6067, 19.1837, 13.3534



16.8114, 19.1837, 13.4734

Sweetspot

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



16.9266, 19.1844, 30.8281



42.5141, 45.8707, 56.0478



17.5593, 24.4437, 18.7265



9.5633, 10.3423, 12.7771



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



16.9266, 19.1844, 30.8281



26.6869, 30.5716, 53.9290



13.7281, 12.7874, 29.7620



5.7842, 6.2024, 7.3621



7.9220, 8.5389, 25.1617



0.1253, 0.1612, 0.3174

Inverse Universe

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



19.5515, 14.9476, 21.5942



32.1410, 22.5530, 34.5667



23.4139, 25.8128, 13.2001



5.9445, 5.8729, 6.8140



12.1258, 6.0554, 9.4092



0.1627, 0.0798, 0.1905

Previews

White Background



This preview shows how the XYZ color 16.9260, 19.1837, 30.8277 looks on a white background.

Color Contrast Check

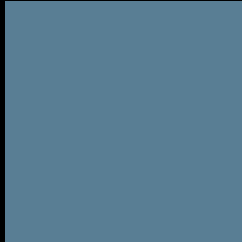
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.9260, 19.1837, 30.8277 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

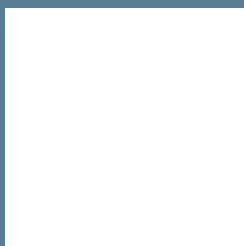
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.9260, 19.1837, 30.8277

Background



This preview shows how black text looks on a background with the XYZ color 16.9260, 19.1837, 30.8277.



This preview shows how white text looks on a background with the XYZ color 16.9260, 19.1837,

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

16.9260, 19.1837, 30.8277

Protanopia

18.9530, 19.1596, 29.0848

Deuteranopia

19.4547, 19.0104, 31.4982



Tritanopia

16.1444, 19.2518, 26.9098

Trichromacy



Original Color

16.9260, 19.1837, 30.8277

Protanomaly

18.0142, 19.0276, 29.5113

Deuteranomaly

18.3256, 18.9705, 31.1296

Tritanomaly

16.4023, 19.1580, 28.4245

Monochromacy



Original Color

16.9260, 19.1837, 30.8277

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

16.6762, 18.1173, 23.0401

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.9260, 19.1837, 30.8277 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(89, 126, 148)` looks like.

```
.text, #text, p{  
    color:rgb(89, 126, 148)  
}
```

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(89, 126, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 126, 148) }
```

Border

The CSS property to change the border of an element to XYZ 16.9260, 19.1837, 30.8277 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(89, 126, 148) }
```


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

```
.border{ border-color:rgb(89, 126, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 126, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 126, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 126, 148);  
box-shadow:4px 4px 4px 4px rgb(89, 126,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 16.9260, 19.1837, 30.8277 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 126, 148) }
```

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

```
.background{ background-color: rgb(89, 126,  
148) }
```

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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