

Converting Colors

XYZ(18.5827, 20.8535, 29.9755)

Have a look what the booklet for
XYZ(18.5827, 20.8535, 29.9755)
contains.

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Color

**XYZ(18.5730, 20.8344,
29.8306)**

Conversions

Conversions Part 1

Format	Color
Hex	668291
RGB	102, 130, 145
RGB Percent	40%, 51%, 57%
CMY	0.6000, 0.4902, 0.4314
CMYK	0.30, 0.10, 0.00, 0.43
HSL	201°, 17%, 48%
HSV	201°, 30%, 57%
XYZ	18.5730, 20.8344, 29.8306
YIQ	123.3380, -21.5030, -1.2710

Conversions

Conversions Part 2

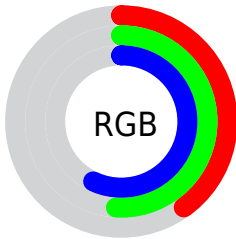
Format	Color
R_{YB}	102, 119, 145
Decimal	6718097
CIE Lab	52.77, -6.27, -11.33
CIE LCh	53, 12.948, 241.058
Yxy	20.8344, 0.2682, 0.3009
Android (android.graphics.Color)	4284908177 (0xFF668291)
YUV	123.3380, 10.6794, -18.7134
Hunter-Lab	45.6447, -7.2460, -6.7970

Details

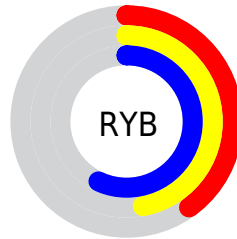
The XYZ color **18.5730, 20.8344, 29.8306** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **20.4370, 19.7019, 15.2967**, and the grayscale version is **18.9098, 19.8946, 21.6652**.

A 20% lighter version of the original color is **40.5687, 44.8605, 60.5536**, and **6.4762, 7.4680, 11.9266** is the 20% darker color. If you saturate the color by 10%, you get **16.4151, 18.7481, 29.5420**, and if you desaturate by 10%, it is **21.0527, 23.1367, 30.1446**.

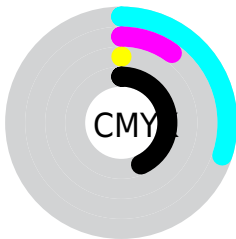
Distribution



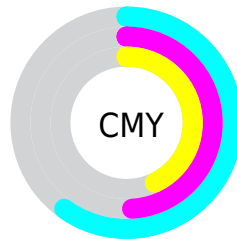
- Red (40%)
- Green (51%)
- Blue (57%)



- Red (40%)
- Yellow (47%)
- Blue (57%)



- Cyan (30%)
- Magenta (10%)
- Yellow (0%)
- Black (43%)



- Cyan (60%)
- Magenta (49%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.5730, 20.8344, 29.8306 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 18.5730, 20.8344, 29.8306 by changing the saturation by 10% instead.

■ 18.5730, 20.8344,
29.8306

■ 18.5730, 20.8344,
29.8306

237.0649,
256.3971, 315.2967

■ 11.4643, 13.0030,
19.4591

■ 40.5338, 44.8118,
60.4520

■ 6.4496, 7.4306,
11.8223

■ 56.1166, 61.7265,
81.5390

■ 3.1636, 3.7328,
6.5017

■ 75.2548, 82.4379,
107.0349

■ 1.2409, 1.5253,
3.0788

■ 98.3139, 107.3302,
137.3582

■ 0.1383, 0.3064,
1.1350

125.6590,
136.7879, 172.9275

■ 0.0000, 0.0000,
0.0000

157.6557,

171.1953, 214.1613

194.6692,
210.9369, 261.4782

■ 18.5730, 20.8344,
29.8306

■ 18.5730, 20.8344,
29.8306

■ 16.4151, 18.7481,
29.5420

■ 21.0527, 23.1367,
30.1446

■ 14.5616, 16.8667,
29.2765

■ 23.8667, 25.6606,
30.4835

■ 12.9964, 15.1816,
29.0338

■ 27.0290, 28.4145,
30.8484

■ 11.7010, 13.6825,
28.8127

■ 30.5523, 31.4056,
31.2400

■ 10.6544, 12.3579,
28.6122

■ 34.4486, 34.6407,
31.6591

■ 9.8322, 11.1944,
28.4309

■ 38.7293, 38.1264,
32.1063

■ 9.1733, 10.1598,
28.2660

■ 43.4054, 41.8689,
32.5822

■ 9.1513, 10.1252,
28.2605

■ 48.4873, 45.8743,
33.0875

■ 53.9851, 50.1482,
33.6227

Harmonies

Analogous

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



17.6615, 20.8344, 26.7396



18.5730, 20.8344, 29.8306



19.8504, 20.8344, 30.9571

Triad

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



18.5730, 20.8344, 29.8306



22.5121, 20.8344, 22.5481



18.4936, 20.8344, 16.8954

Complementary

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



18.5730, 20.8344, 29.8306



20.4370, 19.7019, 15.2967

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.



19.7546, 20.8344, 16.0360



18.5730, 20.8344, 29.8306



22.1098, 20.8344, 19.0627

Square

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



18.5730, 20.8344, 29.8306



22.1614, 20.8344, 26.4752



21.0850, 20.8344, 16.7828



17.6171, 20.8344, 19.2752

Rectangle

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



18.5730, 20.8344, 29.8306



20.7497, 20.8344, 30.3519



21.0850, 20.8344, 16.7828



18.8846, 20.8344, 16.4321

Sweetspot

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



18.5736, 20.8352, 29.8311



42.9913, 46.1745, 54.6202



18.7772, 24.3448, 20.3348



9.4078, 10.1340, 12.1324



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.



18.5736, 20.8352, 29.8311



30.4614, 34.6213, 53.0506



16.0773, 15.8426, 28.9990



5.4041, 5.8039, 6.8642



7.8742, 8.7343, 24.2480



0.0960, 0.1249, 0.2387

Inverse Universe

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



20.4582, 17.1348, 23.3491



34.5131, 27.1157, 39.0144



23.1403, 25.1087, 16.1978



5.5474, 5.4795, 6.3808



11.7776, 5.8681, 9.7462



0.1231, 0.0603, 0.1482

Previews

White Background



This preview shows how the XYZ color 18.5730, 20.8344, 29.8306 looks on a white background.

Color Contrast Check

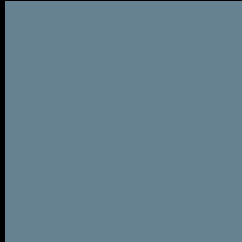
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.5730, 20.8344, 29.8306 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

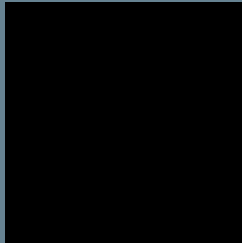
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

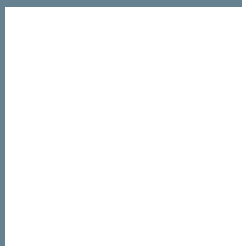
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.5730, 20.8344, 29.8306

Background



This preview shows how black text looks on a background with the XYZ color 18.5730, 20.8344, 29.8306.



This preview shows how white text looks on a background with the XYZ color 18.5730, 20.8344,

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

18.5730, 20.8344, 29.8306

Protanopia

20.3845, 20.8312, 28.5376

Deuteranopia

21.2515, 20.8617, 30.5104



Tritanopia

18.2908, 20.9224, 28.2737

Trichromacy



Original Color

18.5730, 20.8344, 29.8306

Protanomaly

19.6175, 20.8068, 28.9688

Deuteranomaly

20.2569, 20.9190, 30.1642

Tritanomaly

18.3656, 20.9523, 28.6674

Monochromacy



Original Color

18.5730, 20.8344, 29.8306

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

18.6278, 20.2052, 24.3909

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.5730, 20.8344, 29.8306 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(102, 130, 145)` looks like.

```
.text, #text, p{  
    color:rgb(102, 130, 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(102, 130, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 130, 145) }
```

Border

The CSS property to change the border of an element to XYZ 18.5730, 20.8344, 29.8306 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(102, 130, 145) }
```


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

```
.border{ border-color:rgb(102, 130, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 130, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(102, 130, 145); -webkit-box-shadow:4px 4px 4px 4px rgb(102, 130, 145); box-shadow:4px 4px 4px 4px rgb(102, 130, 145) }
```

Background

The CSS property to change the background color of an element to XYZ 18.5730, 20.8344, 29.8306 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 130, 145) }
```

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

```
.background{ background-color: rgb(102,  
130, 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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