

Converting Colors

XYZ(18.2232, 22.8236, 27.8839)

Have a look what the booklet for
XYZ(18.2232, 22.8236, 27.8839)
contains.

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Color

**XYZ(18.1581, 22.7441,
27.8591)**

Conversions

Conversions Part 1

Format	Color
Hex	598C8B
RGB	89, 140, 139
RGB Percent	35%, 55%, 55%
CMY	0.6510, 0.4510, 0.4549
CMYK	0.36, 0.00, 0.01, 0.45
HSL	179°, 22%, 45%
HSV	179°, 36%, 55%
XYZ	18.1581, 22.7441, 27.8591
YIQ	124.6370, -30.0750, -11.1230

Conversions

Conversions Part 2

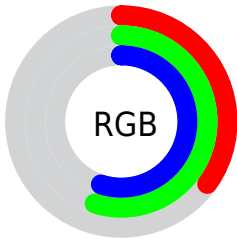
Format	Color
R_{YB}	89, 115, 140
Decimal	5868683
CIE _{Lab}	54.81, -17.24, -4.89
CIE _{LCh}	55, 17.915, 195.830
Yxy	22.7441, 0.2641, 0.3308
Android (android.graphics.Color)	4284058763 (0xFF598C8B)
YUV	124.6370, 7.0810, -31.2536
Hunter-Lab	47.6908, -15.4956, -1.2514

Details

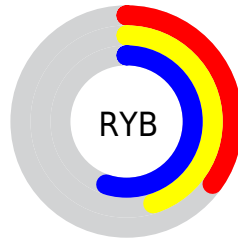
The XYZ color **18.1581, 22.7441, 27.8591** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **16.2338, 13.4590, 11.4159**, and the grayscale version is **19.3558, 20.3638, 22.1762**.

A 20% lighter version of the original color is **39.7907, 48.0521, 57.0470**, and **6.2587, 8.4457, 10.7515** is the 20% darker color. If you saturate the color by 10%, you get **16.9205, 22.1090, 27.6969**, and if you desaturate by 10%, it is **19.6527, 23.5128, 28.0346**.

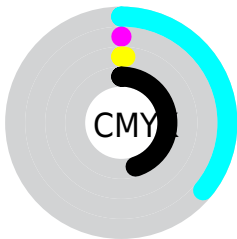
Distribution



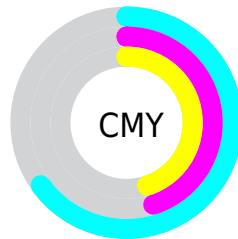
- Red (35%)
- Green (55%)
- Blue (55%)



- Red (35%)
- Yellow (45%)
- Blue (55%)



- Cyan (36%)
- Magenta (0%)
- Yellow (1%)
- Black (45%)



- Cyan (65%)
- Magenta (45%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.1581, 22.7441, 27.8591 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 18.1581, 22.7441, 27.8591 by changing the saturation by 10% instead.

■ 18.1581, 22.7441,
27.8591

■ 18.1581, 22.7441,
27.8591

234.7891,
266.4079, 305.6838

■ 11.1639, 14.4047,
17.9814

■ 39.8345, 47.9728,
57.2798

■ 6.2453, 8.4027,
10.7673

■ 55.2475, 65.6309,
77.6598

■ 3.0369, 4.3537,
5.7984

■ 74.1974, 87.1639,
102.3777

■ 1.1733, 1.8733,
2.6561

■ 97.0496, 112.9563,
131.8520

■ 0.0851, 0.5322,
0.9212

124.1696,
143.3926, 166.5012

■ 0.0000, 0.0000,
0.0000

155.9226,

178.8570, 206.7439

192.6739,
219.7340, 252.9985

■ 18.1581, 22.7441,
27.8591

■ 18.1581, 22.7441,
27.8591

■ 16.9205, 22.1090,
27.6969

■ 19.6527, 23.5128,
28.0346

■ 15.9232, 21.5972,
27.5457

■ 21.4155, 24.4193,
28.2224

■ 15.1510, 21.2014,
27.4054

■ 23.4598, 25.4708,
28.4236

■ 14.5860, 20.9124,
27.2750

■ 25.7972, 26.6734,
28.6388

■ 14.2075, 20.7196,
27.1535

■ 28.4386, 28.0328,
28.8685

■ 13.9817, 20.6054,
27.0395

■ 31.3946, 29.5543,
29.1132

■ 13.9120, 20.5704,
26.9994

■ 34.6752, 31.2431,
29.3733

■ 38.2897, 33.1041,
29.6493

■ 42.2473, 35.1420,
29.9417

Harmonies

Analogous

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



18.1327, 22.7441, 22.1903



18.1581, 22.7441, 27.8591



19.0721, 22.7441, 33.4365

Triad

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



18.1581, 22.7441, 27.8591



24.4647, 22.7441, 33.1644



22.5629, 22.7441, 15.6265

Complementary

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



18.1581, 22.7441, 27.8591



16.2338, 13.4590, 11.4159

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.



24.3801, 22.7441, 17.7387



18.1581, 22.7441, 27.8591



25.5226, 22.7441, 27.5304

Square

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



18.1581, 22.7441, 27.8591



22.6727, 22.7441, 36.8039



25.4907, 22.7441, 21.9079



20.5957, 22.7441, 15.6867

Rectangle

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



18.1581, 22.7441, 27.8591



20.0961, 22.7441, 36.1022



25.4907, 22.7441, 21.9079



23.2140, 22.7441, 16.0901

Sweetspot

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



18.1588, 22.7450, 27.8596



39.5646, 43.9813, 49.9367



15.4668, 21.6873, 12.8225



9.0196, 10.0845, 11.4970



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



18.1588, 22.7450, 27.8596



30.1303, 39.1316, 48.8708



15.1226, 16.5550, 27.2104



5.1687, 5.6870, 6.4092



12.3618, 18.2773, 23.9939



0.0827, 0.1217, 0.1627

Inverse Universe

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



16.2338, 13.4590, 11.4159



26.2050, 20.1910, 15.3356



18.5020, 18.0632, 11.9630



5.0366, 5.0501, 5.2812



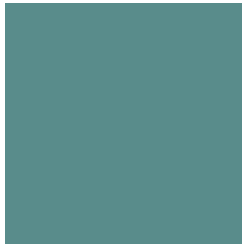
9.6241, 4.9598, 0.5249



0.0644, 0.0331, 0.0059

Previews

White Background



This preview shows how the XYZ color 18.1581, 22.7441, 27.8591 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 18.1581, 22.7441, 27.8591 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 18.1581, 22.7441, 27.8591

Background



This preview shows how black text looks on a background with the XYZ color 18.1581, 22.7441, 27.8591.



This preview shows how white text looks on a background with the XYZ color 18.1581, 22.7441,

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

18.1581, 22.7441, 27.8591

Protanopia

21.7320, 22.5643, 25.4002

Deuteranopia

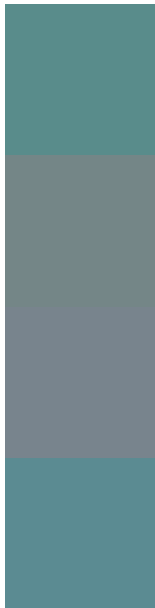
22.9531, 22.5350, 28.7311



Tritanopia

19.0071, 22.6543, 32.2251

Trichromacy



Original Color

18.1581, 22.7441, 27.8591

Protanomaly

20.1007, 22.5125, 26.2076

Deuteranomaly

20.8047, 22.4187, 28.4300

Tritanomaly

18.7353, 22.7647, 30.6007

Monochromacy



Original Color

18.1581, 22.7441, 27.8591

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

18.6940, 21.0217, 24.1914

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.1581, 22.7441, 27.8591 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, 140, 139)` looks like.

```
.text, #text, p{  
    color:rgb(89, 140, 139)  
}
```

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, 140, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 140, 139) }
```

Border

The CSS property to change the border of an element to XYZ 18.1581, 22.7441, 27.8591 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, 140, 139) }
```


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

```
.border{ border-color:rgb(89, 140, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 140, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 140, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 140, 139);  
box-shadow:4px 4px 4px 4px rgb(89, 140,  
139) }
```

Background

The CSS property to change the background color of an element to XYZ 18.1581, 22.7441, 27.8591 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 140, 139) }
```

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

```
.background{ background-color: rgb(89, 140,  
139) }
```

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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