

Converting Colors

XYZ(20.8736, 27.8385, 30.8586)

Have a look what the booklet for
XYZ(20.8736, 27.8385, 30.8586)
contains.

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Color

**XYZ(20.8530, 27.8168,
30.6557)**

Conversions

Conversions Part 1

Format	Color
Hex	579C90
RGB	87, 156, 144
RGB Percent	34%, 61%, 56%
CMY	0.6588, 0.3882, 0.4353
CMYK	0.44, 0.00, 0.08, 0.39
HSL	170°, 28%, 48%
HSV	170°, 44%, 61%
XYZ	20.8530, 27.8168, 30.6557
YIQ	134.0010, -37.2720, -18.3600

Conversions

Conversions Part 2

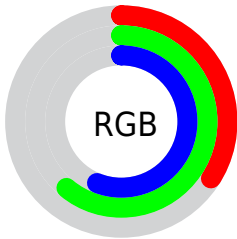
Format	Color
RYB	87, 125, 156
Decimal	5741712
CIELab	59.72, -24.83, -0.53
CIELCh	60, 24.833, 181.215
Yxy	27.8168, 0.2629, 0.3507
Android (android.graphics.Color)	4283931792 (0xFF579C90)
YUV	134.0010, 4.9295, -41.2199
Hunter-Lab	52.7416, -21.7225, 2.4573

Details

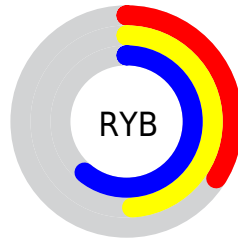
The XYZ color **20.8530, 27.8168, 30.6557** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **19.3716, 14.7859, 13.6384**, and the grayscale version is **22.6533, 23.8330, 25.9542**.

A 20% lighter version of the original color is **44.4718, 56.3285, 61.9547**, and **7.5664, 11.0159, 12.3172** is the 20% darker color. If you saturate the color by 10%, you get **19.3462, 27.0644, 29.5160**, and if you desaturate by 10%, it is **22.6811, 28.7357, 31.8376**.

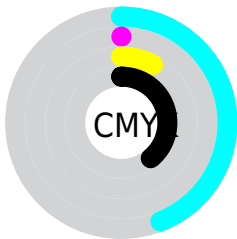
Distribution



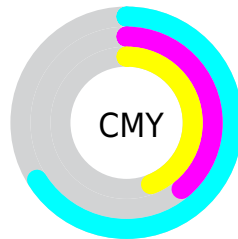
- Red (34%)
- Green (61%)
- Blue (56%)



- Red (34%)
- Yellow (49%)
- Blue (61%)



- Cyan (44%)
- Magenta (0%)
- Yellow (8%)
- Black (39%)



- Cyan (66%)
- Magenta (39%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8530, 27.8168, 30.6557 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 20.8530, 27.8168, 30.6557 by changing the saturation by 10% instead.

■ 20.8530, 27.8168,
30.6557

■ 20.8530, 27.8168,
30.6557

249.2428,
291.5905, 319.2509

■ 13.1284, 18.1876,
20.0806

■ 44.3359, 56.1918,
61.7708

■ 7.5947, 11.0848,
12.2690

■ 60.8249, 75.7064,
83.1478

■ 3.8863, 6.1239,
6.8024

■ 80.9661, 99.2850,
108.9626

■ 1.6380, 2.9206,
3.2622

■ 105.1249,
127.3119, 139.6336

■ 0.4170, 1.0904,
1.2300

133.6666,
160.1714, 175.5794

■ 0.0000, 0.0000,
0.0034

166.9566,

■ 0.0000, 0.0000,

198.2482, 217.2185

0.0000

205.3602,
241.9264, 264.9695

■ 20.8530, 27.8168,
30.6557

■ 20.8530, 27.8168,
30.6557

■ 19.3462, 27.0644,
29.5160

■ 22.6811, 28.7357,
31.8376

■ 18.1379, 26.4646,
28.4156

■ 24.8468, 29.8273,
33.0610

■ 17.2059, 26.0067,
27.3537


■ 27.3682, 31.1017,
34.3274


■ 16.5239, 25.6771,
26.3290


■ 30.2614, 32.5672,
35.6377


■ 16.0601, 25.4594,
25.3399


■ 33.5413, 34.2314,
36.9929

 15.8427, 25.3594,
24.7829

 37.2222, 36.1018,
38.3937

 41.3176, 38.1853,
39.8410

 45.8403, 40.4884,
41.3355

 50.8027, 43.0177,
42.8780

Harmonies

Analogous

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



21.4949, 27.8168, 22.7046



20.8530, 27.8168, 30.6557



21.6065, 27.8168, 40.1566

Triad

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



20.8530, 27.8168, 30.6557



29.6914, 27.8168, 47.6034



29.4526, 27.8168, 17.5253

Complementary

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



20.8530, 27.8168, 30.6557



19.3716, 14.7859, 13.6384

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.



31.9432, 27.8168, 22.1848



20.8530, 27.8168, 30.6557



32.0885, 27.8168, 39.3954

Square

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



20.8530, 27.8168, 30.6557



26.5672, 27.8168, 51.0609



32.9429, 27.8168, 29.9228



26.3113, 27.8168, 16.0863

Rectangle

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



20.8530, 27.8168, 30.6557



22.8362, 27.8168, 45.8560



32.9429, 27.8168, 29.9228



30.4022, 27.8168, 18.7145

Sweetspot

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



20.8538, 27.8179, 30.6563



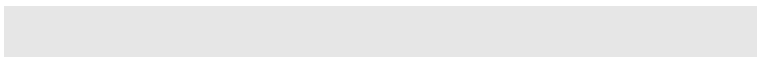
50.1877, 56.7308, 62.5738



18.8265, 27.1556, 13.2667



10.8196, 12.3700, 13.6623



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



20.8538, 27.8179, 30.6563



35.1816, 49.1770, 53.6443



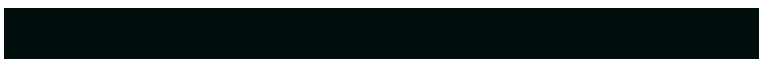
18.4779, 21.5192, 34.6335



6.7723, 7.4897, 8.2355



13.0602, 20.8920, 20.4719



0.2454, 0.3783, 0.4288

Inverse Universe

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



19.3716, 14.7859, 13.6384



32.1502, 22.4118, 18.7565



20.8842, 18.6622, 11.5188



6.6778, 6.6640, 7.1545



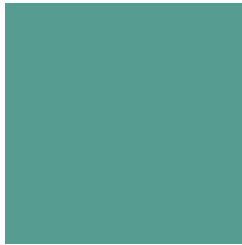
11.4668, 5.8913, 1.4433



0.2165, 0.1099, 0.0862

Previews

White Background



This preview shows how the XYZ color 20.8530, 27.8168, 30.6557 looks on a white background.

Color Contrast Check

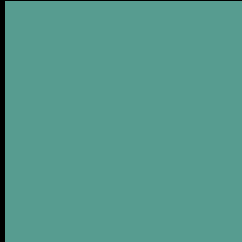
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.8530, 27.8168, 30.6557 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

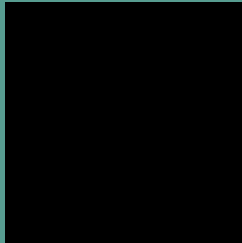
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.8530, 27.8168, 30.6557

Background



This preview shows how black text looks on a background with the XYZ color 20.8530, 27.8168, 30.6557.

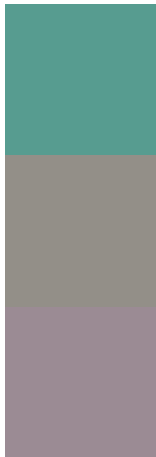


This preview shows how white text looks on a background with the XYZ color 20.8530, 27.8168,

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

20.8530, 27.8168, 30.6557

Protanopia

26.2990, 27.6255, 27.2387

Deuteranopia

28.0955, 27.5719, 31.8581



Tritanopia

22.6970, 27.8262, 39.7721

Trichromacy



Original Color

20.8530, 27.8168, 30.6557

Protanomaly

23.7076, 27.4039, 28.4661

Deuteranomaly

24.5978, 27.1032, 31.5388

Tritanomaly

21.9558, 27.7697, 36.1012

Monochromacy



Original Color

20.8530, 27.8168, 30.6557

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

21.5966, 24.9629, 27.7248

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8530, 27.8168, 30.6557 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(87, 156, 144)` looks like.

```
.text, #text, p{  
    color:rgb(87, 156, 144)  
}
```

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(87, 156, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 156, 144) }
```

Border

The CSS property to change the border of an element to XYZ 20.8530, 27.8168, 30.6557 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(87, 156, 144) }
```


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

```
.border{ border-color:rgb(87, 156, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 156, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 156, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 156, 144);  
box-shadow:4px 4px 4px 4px rgb(87, 156,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8530, 27.8168, 30.6557 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 156, 144) }
```

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

```
.background{ background-color: rgb(87, 156,  
144) }
```

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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