

Converting Colors

XYZ(27.8120, 29.5006, 45.9297)

Have a look what the booklet for
XYZ(27.8120, 29.5006, 45.9297)
contains.

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Color

**XYZ(27.8954, 29.6541,
45.8485)**

Conversions

Conversions Part 1

Format	Color
Hex	8196B1
RGB	129, 150, 177
RGB Percent	51%, 59%, 69%
CMY	0.4941, 0.4118, 0.3059
CMYK	0.27, 0.15, 0.00, 0.31
HSL	214°, 24%, 60%
HSV	214°, 27%, 69%
XYZ	27.8954, 29.6541, 45.8485
YIQ	146.7990, -21.1830, 3.9450

Conversions

Conversions Part 2

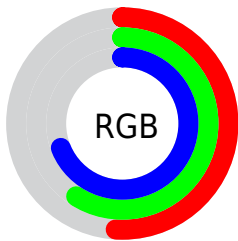
Format	Color
R_{YB}	129, 144, 177
Decimal	8492721
CIE _{Lab}	61.35, -1.15, -16.54
CIE _{LCh}	61, 16.575, 266.031
Yxy	29.6541, 0.2698, 0.2868
Android (android.graphics.Color)	4286682801 (0xFF8196B1)
YUV	146.7990, 14.8891, -15.6097
Hunter-Lab	54.4556, -3.8589, -11.7999

Details

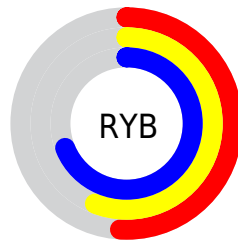
The XYZ color **27.8954, 29.6541, 45.8485** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **33.9828, 34.7093, 25.6782**, and the grayscale version is **27.5976, 29.0349, 31.6190**.

A 20% lighter version of the original color is **55.8293, 59.1362, 85.5627**, and **11.2418, 11.9986, 20.7922** is the 20% darker color. If you saturate the color by 10%, you get **23.9145, 25.3434, 45.2268**, and if you desaturate by 10%, it is **32.4789, 34.4772, 46.5384**.

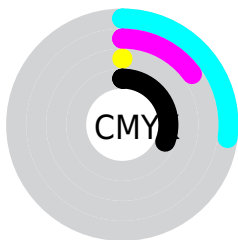
Distribution



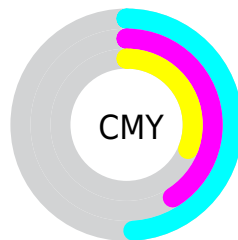
- Red (51%)
- Green (59%)
- Blue (69%)



- Red (51%)
- Yellow (56%)
- Blue (69%)



- Cyan (27%)
- Magenta (15%)
- Yellow (0%)
- Black (31%)



- Cyan (49%)
- Magenta (41%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.8954, 29.6541, 45.8485 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 27.8954, 29.6541, 45.8485 by changing the saturation by 10% instead.

■ 27.8954, 29.6541,
45.8485

■ 27.8954, 29.6541,
45.8485

284.0559,
300.2888, 386.4591

■ 18.3869, 19.5762,
31.7785

■ 55.7272, 59.1147,
85.3241

■ 11.3295, 12.0874,
20.9289

■ 74.7812, 79.2662,
111.5668

■ 6.3578, 6.8032,
12.8813

■ 97.7477, 103.5444,
142.7041

■ 3.1066, 3.3393,
7.2171

124.9922,
132.3336, 179.1546

■ 1.2104, 1.3113,
3.5178

156.8798,
166.0182, 221.3368

■ 0.1145, 0.1500,
1.3647

193.7761,

■ 0.0000, 0.0000,

204.9827, 269.6693

0.1140

236.0464,
249.6114, 324.5705

■ 0.0000, 0.0000,
0.0000

■ 27.8954, 29.6541,
45.8485

■ 27.8954, 29.6541,
45.8485

■ 23.9145, 25.3434,
45.2268

■ 32.4789, 34.4772,
46.5384

■ 20.5061, 21.5226,
44.6689

■ 37.6877, 39.8272,
47.2965

■ 17.6414, 18.1724,
44.1732

■ 43.5467, 45.7222,
48.1255

■ 15.2879, 15.2706,
43.7372

■ 50.0785, 52.1783,
49.0274

■ 13.4093, 12.7929,
43.3580

■ 57.3047, 59.2110,
50.0040

■ 11.9635, 10.7118,
43.0325

■ 65.2459, 66.8350,
51.0571

■ 10.8913, 8.9904,
42.7567

■ 73.9215, 75.0647,
52.1883

■ 10.6208, 8.5442,
42.6849

■ 77.3754, 80.8333,
53.1197

■ 80.2200, 86.5226,
54.0679

Harmonies

Analogous

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



25.9013, 29.6541, 43.3368



27.8954, 29.6541, 45.8485



30.0706, 29.6541, 44.3585

Triad

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



27.8954, 29.6541, 45.8485



32.1337, 29.6541, 27.2879



24.8409, 29.6541, 26.0181

Complementary

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



27.8954, 29.6541, 45.8485



33.9828, 34.7093, 25.6782

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.



26.3805, 29.6541, 22.6340



27.8954, 29.6541, 45.8485



30.5998, 29.6541, 23.2979

Square

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



27.8954, 29.6541, 45.8485



32.5902, 29.6541, 33.1287



28.4773, 29.6541, 21.7061



24.1964, 29.6541, 31.4622

Rectangle

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



27.8954, 29.6541, 45.8485



31.3202, 29.6541, 41.3881



28.4773, 29.6541, 21.7061



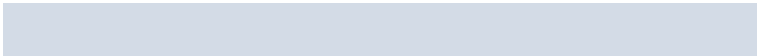
25.2669, 29.6541, 24.6307

Sweetspot

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



27.8963, 29.6553, 45.8492



66.4936, 70.3080, 84.5615



30.7261, 38.4920, 36.9977



14.0990, 14.9195, 18.2810



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



27.8963, 29.6553, 45.8492



45.2438, 48.0307, 81.3816



25.2090, 23.7330, 44.8477



8.3377, 8.8215, 10.7696



7.7534, 6.3072, 30.9458



0.3024, 0.3153, 0.9932

Inverse Universe

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



31.4875, 27.2505, 32.4557



52.9488, 43.3577, 52.5363



37.2747, 42.0975, 26.9307



8.6456, 8.5650, 9.6323



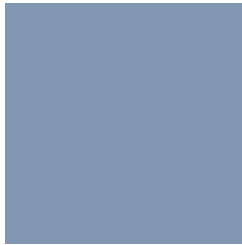
14.1482, 7.1768, 5.9405



0.4747, 0.2376, 0.3422

Previews

White Background



This preview shows how the XYZ color 27.8954, 29.6541, 45.8485 looks on a white background.

Color Contrast Check

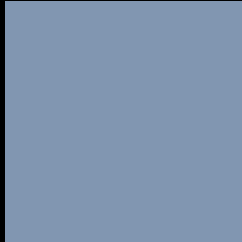
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.8954, 29.6541, 45.8485 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

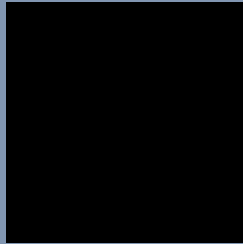
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

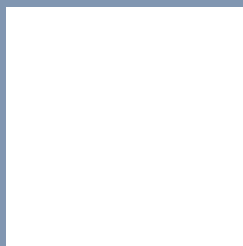
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.8954, 29.6541, 45.8485

Background



This preview shows how black text looks on a background with the XYZ color 27.8954, 29.6541, 45.8485.



This preview shows how white text looks on a background with the XYZ color 27.8954, 29.6541,

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

27.8954, 29.6541, 45.8485

Protanopia

29.3269, 29.7134, 44.7470

Deuteranopia

30.1939, 29.6682, 46.2546



Tritanopia

26.5333, 29.5724, 39.4316

Trichromacy



Original Color

27.8954, 29.6541, 45.8485

Protanomaly

28.7429, 29.6328, 45.2791

Deuteranomaly

29.2848, 29.6572, 46.3004

Tritanomaly

26.9804, 29.5098, 41.8101

Monochromacy



Original Color

27.8954, 29.6541, 45.8485

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

27.5767, 29.2239, 36.5351

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.8954, 29.6541, 45.8485 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(129, 150, 177)` looks like.

```
.text, #text, p{  
    color:rgb(129, 150, 177)  
}
```

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(129, 150, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 150, 177) }
```

Border

The CSS property to change the border of an element to XYZ 27.8954, 29.6541, 45.8485 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(129, 150, 177) }
```


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

```
.border{ border-color:rgb(129, 150, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 150, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 150, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 150, 177);  
box-shadow:4px 4px 4px 4px rgb(129, 150,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 27.8954, 29.6541, 45.8485 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 150, 177) }
```

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

```
.background{ background-color: rgb(129,  
150, 177) }
```

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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