

Converting Colors

XYZ(24.5450, 27.3637, 55.9833)

Have a look what the booklet for
XYZ(24.5450, 27.3637, 55.9833)
contains.

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Color

**XYZ(24.6417, 27.5067,
56.2351)**

Conversions

Conversions Part 1

Format	Color
Hex	5795C4
RGB	87, 149, 196
RGB Percent	34%, 58%, 77%
CMY	0.6588, 0.4157, 0.2314
CMYK	0.56, 0.24, 0.00, 0.23
HSL	206°, 48%, 55%
HSV	206°, 56%, 77%
XYZ	24.6417, 27.5067, 56.2351
YIQ	135.8200, -52.0390, 1.4730

Conversions

Conversions Part 2

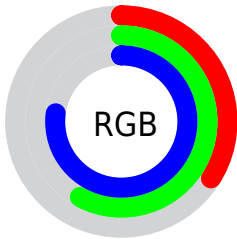
Format	Color
R _Y B	87, 127, 196
Decimal	5739972
CIE Lab	59.44, -6.35, -30.39
CIE LCh	59, 31.052, 258.194
Yxy	27.5067, 0.2274, 0.2538
Android (android.graphics.Color)	4283930052 (0xFF5795C4)
YUV	135.8200, 29.6687, -42.8151
Hunter-Lab	52.4468, -7.9152, -26.8598

Details

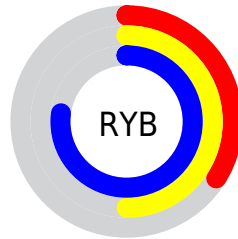
The XYZ color **24.6417, 27.5067, 56.2351** is a dark color, and the websafe version is hex **6699CC**. The color can be described as middle muted azure. A complement of this color would be **33.0112, 29.4751, 12.9672**, and the grayscale version is **23.2419, 24.4523, 26.6285**.

A 20% lighter version of the original color is **50.5872, 55.7330, 101.0198**, and **9.5187, 10.8268, 27.1793** is the 20% darker color. If you saturate the color by 10%, you get **21.7653, 24.1108, 55.7318**, and if you desaturate by 10%, it is **28.1138, 31.3547, 56.7954**.

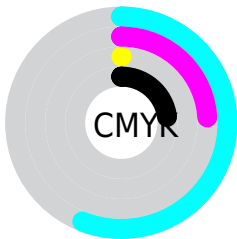
Distribution



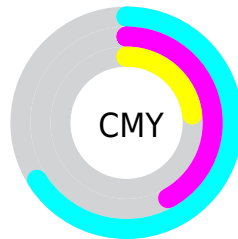
- Red (34%)
- Green (58%)
- Blue (77%)



- Red (34%)
- Yellow (50%)
- Blue (77%)



- Cyan (56%)
- Magenta (24%)
- Yellow (0%)
- Black (23%)



- Cyan (66%)
- Magenta (42%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.6417, 27.5067, 56.2351 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 24.6417, 27.5067, 56.2351 by changing the saturation by 10% instead.

■ 24.6417, 27.5067,
56.2351

■ 24.6417, 27.5067,
56.2351

268.4295,
290.1022, 427.9901

■ 15.9376, 17.9541,
39.9862

■ 50.5224, 55.6959,
100.8375

■ 9.5706, 10.9171,
27.2141

■ 68.4298, 75.1013,
130.0280

■ 5.1753, 6.0111,
17.5002

■ 90.1357, 98.5598,
164.3695

■ 2.3863, 2.8518,
10.4260

■ 116.0054,
126.4558, 204.2804

■ 0.8383, 1.0549,
5.5731

146.4042,
159.1736, 250.1794

■ 0.0000, 0.0000,
2.5227

181.6976,

■ 0.0000, 0.0000,

197.0977, 302.4850

0.8522

222.2510,
240.6124, 361.6157

■ 0.0000, 0.0000,
0.0000

■ 24.6417, 27.5067,
56.2351

■ 24.6417, 27.5067,
56.2351

■ 21.7653, 24.1108,
55.7318

■ 28.1138, 31.3547,
56.7954

■ 19.4384, 21.1388,
55.2807

■ 32.2173, 35.6748,
57.4129

■ 17.6120, 18.5626,
54.8798

■ 36.9883, 40.4888,
58.0907

■ 16.2248, 16.3475,
54.5253

■ 42.4592, 45.8162,
58.8306

■ 15.7016, 15.4610,
54.3818

■ 48.6601, 51.6754,
59.6347

■ 55.6193, 58.0834,
60.5048

■ 63.3635, 65.0566,
61.4426

■ 71.9180, 72.6106,
62.4498

■ 78.1467, 79.1312,
63.3801

Harmonies

Analogous

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



21.4627, 27.5067, 48.9533



24.6417, 27.5067, 56.2351



28.5533, 27.5067, 55.2987

Triad

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



24.6417, 27.5067, 56.2351



33.9246, 27.5067, 23.7393



20.9493, 27.5067, 17.8062

Complementary

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



24.6417, 27.5067, 56.2351



33.0112, 29.4751, 12.9672

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.



23.8747, 27.5067, 13.8447



24.6417, 27.5067, 56.2351



31.4616, 27.5067, 16.6375

Square

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



24.6417, 27.5067, 56.2351



34.1822, 27.5067, 34.5564



27.7068, 27.5067, 13.4780



19.4769, 27.5067, 25.7725

Rectangle

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



24.6417, 27.5067, 56.2351



31.0543, 27.5067, 50.1688



27.7068, 27.5067, 13.4780



21.7812, 27.5067, 16.0573

Sweetspot

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



24.6426, 27.5077, 56.2358



75.1847, 81.3334, 106.3440



27.8647, 43.1842, 28.8474



15.6467, 16.9776, 22.7023



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



24.6426, 27.5077, 56.2358



38.3108, 42.2942, 100.7521



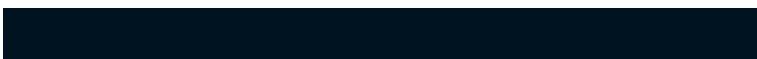
18.0857, 14.3937, 54.0501



9.9931, 10.6775, 12.8191



10.1758, 10.1080, 34.9713



0.5071, 0.5715, 1.5335

Inverse Universe

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



31.5987, 20.7230, 30.7693



52.7965, 30.9738, 47.0901



42.2386, 47.9299, 16.0430



10.3078, 10.1717, 11.7115



16.5322, 8.3026, 10.7147



0.7483, 0.3723, 0.6421

Previews

White Background



This preview shows how the XYZ color 24.6417, 27.5067, 56.2351 looks on a white background.

Color Contrast Check

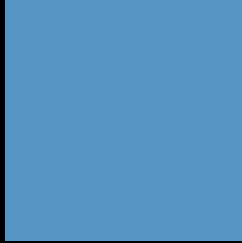
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.6417, 27.5067, 56.2351 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

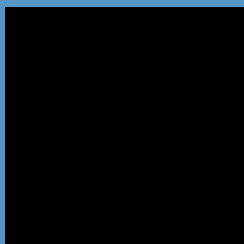
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

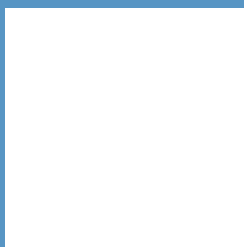
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.6417, 27.5067, 56.2351

Background



This preview shows how black text looks on a background with the XYZ color 24.6417, 27.5067, 56.2351.

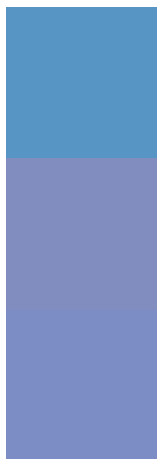


This preview shows how white text looks on a background with the XYZ color 24.6417, 27.5067,

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

24.6417, 27.5067, 56.2351

Protanopia

27.8724, 27.4346, 52.5416

Deuteranopia

28.0301, 27.4121, 57.2398



Tritanopia

21.5111, 27.4377, 40.7215

Trichromacy



Original Color

24.6417, 27.5067, 56.2351

Protanomaly

26.4271, 27.3297, 53.7515

Deuteranomaly

26.6068, 27.3572, 56.7015

Tritanomaly

22.5724, 27.3763, 46.2139

Monochromacy



Original Color

24.6417, 27.5067, 56.2351

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

23.1676, 25.3699, 36.0236

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.6417, 27.5067, 56.2351 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, 149, 196)` looks like.

```
.text, #text, p{  
    color:rgb(87, 149, 196)  
}
```

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, 149, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 149, 196) }
```

Border

The CSS property to change the border of an element to XYZ 24.6417, 27.5067, 56.2351 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, 149, 196) }
```


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

```
.border{ border-color:rgb(87, 149, 196) }
```

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

Here you see how a box with a 4 pixel rgb(87, 149, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 149, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 149, 196);  
box-shadow:4px 4px 4px 4px rgb(87, 149,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 24.6417, 27.5067, 56.2351 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 149, 196) }
```

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

```
.background{ background-color: rgb(87, 149,  
196) }
```

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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