

Converting Colors

XYZ(24.6695, 28.4851, 57.1890)

Have a look what the booklet for
XYZ(24.6695, 28.4851, 57.1890)
contains.

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Color

**XYZ(24.6112, 28.4334,
57.0144)**

Conversions

Conversions Part 1

Format	Color
Hex	4E99C5
RGB	78, 153, 197
RGB Percent	31%, 60%, 77%
CMY	0.6941, 0.4000, 0.2274
CMYK	0.60, 0.22, 0.00, 0.23
HSL	202°, 51%, 54%
HSV	202°, 60%, 77%
XYZ	24.6112, 28.4334, 57.0144
YIQ	135.5910, -58.8240, -2.2160

Conversions

Conversions Part 2

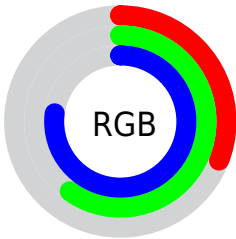
Format	Color
R_{YB}	78, 124, 197
Decimal	5151173
CIE _{Lab}	60.28, -10.10, -29.69
CIE _{LCh}	60, 31.358, 251.219
Yxy	28.4334, 0.2236, 0.2583
Android (android.graphics.Color)	4283341253 (0xFF4E99C5)
YUV	135.5910, 30.2746, -50.5073
Hunter-Lab	53.3230, -10.9286, -26.0684

Details

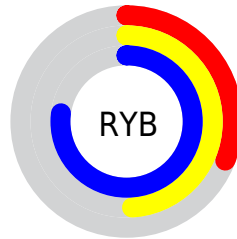
The XYZ color **24.6112, 28.4334, 57.0144** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle muted azure. A complement of this color would be **31.3618, 26.3410, 10.6403**, and the grayscale version is **23.1564, 24.3623, 26.5306**.

A 20% lighter version of the original color is **50.5187, 57.0998, 102.1247**, and **9.7093, 11.4859, 27.6919** is the 20% darker color. If you saturate the color by 10%, you get **22.0764, 25.4109, 56.5652**, and if you desaturate by 10%, it is **27.7041, 31.8527, 57.5119**.

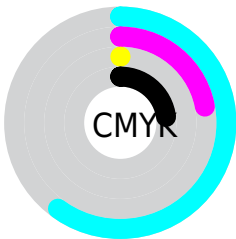
Distribution



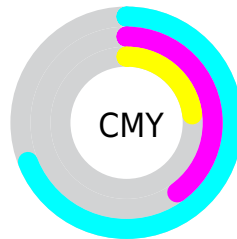
- Red (31%)
- Green (60%)
- Blue (77%)



- Red (31%)
- Yellow (49%)
- Blue (77%)



- Cyan (60%)
- Magenta (22%)
- Yellow (0%)
- Black (23%)



- Cyan (69%)
- Magenta (40%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.6112, 28.4334, 57.0144 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 24.6112, 28.4334, 57.0144 by changing the saturation by 10% instead.

■ 24.6112, 28.4334,
57.0144

■ 24.6112, 28.4334,
57.0144

268.2796,
294.5321, 430.9985

■ 15.9148, 18.6526,
40.6074

■ 50.4732, 57.1756,
101.9867

■ 9.5544, 11.4195,
27.6950

■ 68.3696, 76.9059,
131.3891

■ 5.1645, 6.3498,
17.8589

■ 90.0633, 100.7214,
165.9604

■ 2.3798, 3.0589,
10.6803

■ 115.9197,
129.0066, 206.1190

■ 0.8351, 1.1626,
5.7408

146.3042,
162.1459, 252.2836

■ 0.0000, 0.0308,
2.6219

181.5821,

■ 0.0000, 0.0000,

200.5237, 304.8727

0.9037

222.1188,
244.5243, 364.3048

■ 0.0000, 0.0000,
0.0000

■ 24.6112, 28.4334,
57.0144

■ 24.6112, 28.4334,
57.0144

■ 22.0764, 25.4109,
56.5652

■ 27.7041, 31.8527,
57.5119

■ 20.0509, 22.7566,
56.1596

■ 31.3925, 35.6884,
58.0579

■ 18.4813, 20.4416,
55.7955

■ 35.7139, 39.9621,
58.6550

■ 17.3057, 18.4864,
55.4800

■ 40.7016, 44.6928,
59.3053

■ 46.3863, 49.8981,
60.0104

■ 52.7969, 55.5946,
60.7720

■ 59.9606, 61.7978,
61.5918

■ 67.9029, 68.5227,
62.4712

■ 76.5351, 75.7251,
63.4065

Harmonies

Analogous

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



21.6160, 28.4334, 47.9642



24.6112, 28.4334, 57.0144



28.5576, 28.4334, 58.1578

Triad

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



24.6112, 28.4334, 57.0144



35.3416, 28.4334, 26.8475



22.2434, 28.4334, 17.1104

Complementary

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



24.6112, 28.4334, 57.0144



31.3618, 26.3410, 10.6403

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.



25.5485, 28.4334, 13.9213



24.6112, 28.4334, 57.0144



33.2688, 28.4334, 18.5394

Square

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



24.6112, 28.4334, 57.0144



35.0268, 28.4334, 38.6504



29.5919, 28.4334, 14.3697



20.3454, 28.4334, 24.3626

Rectangle

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



24.6112, 28.4334, 57.0144



31.2343, 28.4334, 54.0220



29.5919, 28.4334, 14.3697



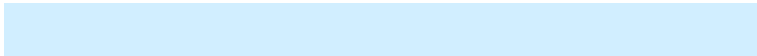
23.2122, 28.4334, 15.6198

Sweetspot

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



24.6122, 28.4344, 57.0151



74.9556, 81.9554, 106.4761



26.5993, 42.9491, 25.1830



15.4346, 16.9760, 22.7131



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.



24.6122, 28.4344, 57.0151



38.4723, 44.1634, 101.1044



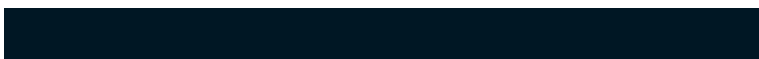
17.2120, 13.6340, 54.5484



10.6043, 11.3827, 13.5557



11.4647, 12.3234, 36.5188



0.6104, 0.7187, 1.7517

Inverse Universe

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



31.5010, 19.6201, 32.2647



52.5005, 29.4102, 49.9868



40.9529, 45.5233, 13.8374



10.9103, 10.7475, 12.5110



17.5862, 8.7840, 13.5627



0.8668, 0.4296, 0.8218

Previews

White Background



This preview shows how the XYZ color 24.6112, 28.4334, 57.0144 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 24.6112, 28.4334, 57.0144 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

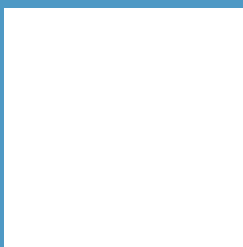
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.6112, 28.4334, 57.0144

Background



This preview shows how black text looks on a background with the XYZ color 24.6112, 28.4334, 57.0144.

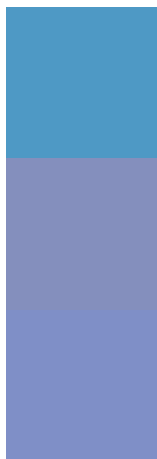


This preview shows how white text looks on a background with the XYZ color 24.6112, 28.4334,

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

24.6112, 28.4334, 57.0144

Protanopia

28.5235, 28.2246, 52.0887

Deuteranopia

28.8837, 28.2805, 57.9692



Tritanopia

21.8243, 28.5522, 42.8889

Trichromacy



Original Color

24.6112, 28.4334, 57.0144

Protanomaly

26.6302, 28.1180, 53.8929

Deuteranomaly

26.9334, 28.1959, 57.4489

Tritanomaly

22.6525, 28.3743, 47.4629

Monochromacy



Original Color

24.6112, 28.4334, 57.0144

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

22.9148, 25.4595, 36.0542

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.6112, 28.4334, 57.0144 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(78, 153, 197)` looks like.

```
.text, #text, p{  
    color:rgb(78, 153, 197)  
}
```

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(78, 153, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 153, 197) }
```

Border

The CSS property to change the border of an element to XYZ 24.6112, 28.4334, 57.0144 is called "border". The border property can be set on classes, ids or directly on the HTML element.

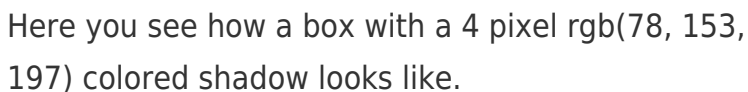
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(78, 153, 197) }
```


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

```
.border{ border-color:rgb(78, 153, 197) }
```

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



Here you see how a box with a 4 pixel `rgb(78, 153, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(78, 153, 197); -webkit-box-shadow:4px 4px 4px 4px rgb(78, 153, 197); box-shadow:4px 4px 4px 4px rgb(78, 153, 197) }
```

Background

The CSS property to change the background color of an element to XYZ 24.6112, 28.4334, 57.0144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 153, 197) }
```

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

```
.background{ background-color: rgb(78, 153,  
197) }
```

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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