

Converting Colors

XYZ(23.8417, 27.3249, 63.3443)

Have a look what the booklet for
XYZ(23.8417, 27.3249, 63.3443)
contains.

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Color

**XYZ(23.8504, 27.4225,
63.0675)**

Conversions

Conversions Part 1

Format	Color
Hex	3697CF
RGB	54, 151, 207
RGB Percent	21%, 59%, 81%
CMY	0.7882, 0.4078, 0.1882
CMYK	0.74, 0.27, 0.00, 0.19
HSL	202°, 61%, 51%
HSV	202°, 74%, 81%
XYZ	23.8504, 27.4225, 63.0675
YIQ	128.3810, -75.7880, -3.1480

Conversions

Conversions Part 2

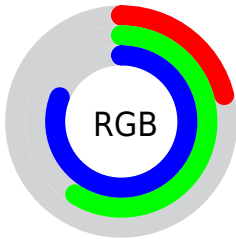
Format	Color
R _Y B	54, 113, 207
Decimal	3577807
CIE Lab	59.36, -9.47, -36.78
CIE LCh	59, 37.979, 255.560
Yxy	27.4225, 0.2086, 0.2398
Android (android.graphics.Color)	4281767887 (0xFF3697CF)
YUV	128.3810, 38.7592, -65.2321
Hunter-Lab	52.3665, -10.3433, -34.7493

Details

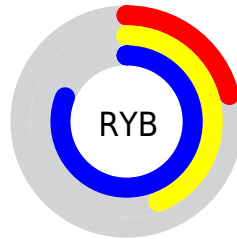
The XYZ color **23.8504, 27.4225, 63.0675** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle muted azure. A complement of this color would be **31.9754, 24.6858, 6.5708**, and the grayscale version is **20.5399, 21.6095, 23.5328**.

A 20% lighter version of the original color is **47.6271, 54.8757, 102.6896**, and **10.2247, 11.3813, 31.3637** is the 20% darker color. If you saturate the color by 10%, you get **21.7862, 24.6063, 62.6333**, and if you desaturate by 10%, it is **26.4675, 30.6409, 63.5513**.

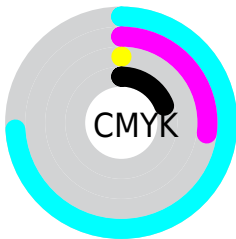
Distribution



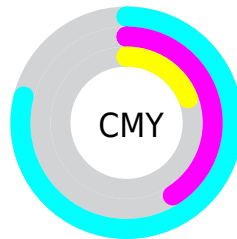
- Red (21%)
- Green (59%)
- Blue (81%)



- Red (21%)
- Yellow (44%)
- Blue (81%)



- Cyan (74%)
- Magenta (27%)
- Yellow (0%)
- Black (19%)



- Cyan (79%)
- Magenta (41%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.8504, 27.4225, 63.0675 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 23.8504, 27.4225, 63.0675 by changing the saturation by 10% instead.

■ 23.8504, 27.4225,
63.0675

■ 23.8504, 27.4225,
63.0675

264.5178,
289.6970, 453.9291

■ 15.3468, 17.8908,
45.4545

■ 49.2424, 55.5611,
110.8534

■ 9.1510, 10.8716,
31.4700

■ 66.8616, 74.9368,
141.8634

■ 4.8977, 5.9806,
20.6955

■ 88.2499, 98.3626,
178.1760

■ 2.2215, 2.8333,
12.7126

■ 113.7729,
126.2229, 220.2100

■ 0.7540, 1.0453,
7.1025

■ 143.7958,
158.9021, 268.3837

■ 0.0000, 0.0000,
3.4469

178.6841,

■ 0.0000, 0.0000,

196.7846, 323.1158

1.3271

218.8029,
240.2547, 384.8247

■ 0.0000, 0.0000,
0.0838

■ 0.0000, 0.0000,
0.0000

■ 23.8504, 27.4225,
63.0675

■ 23.8504, 27.4225,
63.0675

■ 21.7862, 24.6063,
62.6333

■ 26.4675, 30.6409,
63.5513

■ 20.2057, 22.1533,
62.2431

■ 29.6892, 34.2890,
64.0857

■ 19.4102, 20.8002,
62.0239

■ 33.5642, 38.3944,
64.6739

■ 38.1349, 42.9811,
65.3183

■ 43.4402, 48.0708,
66.0211

■ 49.5156, 53.6840,
66.7843

■ 56.3944, 59.8396,
67.6099

■ 64.1079, 66.5555,
68.4997

■ 72.6855, 73.8488,
69.4553

Harmonies

Analogous

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



20.1731, 27.4225, 52.7247



23.8504, 27.4225, 63.0675



28.5943, 27.4225, 62.8496

Triad

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



23.8504, 27.4225, 63.0675



35.9004, 27.4225, 23.3714



20.0667, 27.4225, 15.0225

Complementary

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



23.8504, 27.4225, 63.0675



31.9754, 24.6858, 6.5708

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.



23.6880, 27.4225, 11.0715



23.8504, 27.4225, 63.0675



33.0034, 27.4225, 14.7946

Square

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



23.8504, 27.4225, 63.0675



35.9577, 27.4225, 36.8747



28.4111, 27.4225, 11.0032



18.1756, 27.4225, 23.7939

Rectangle

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



23.8504, 27.4225, 63.0675



31.7506, 27.4225, 56.6236



28.4111, 27.4225, 11.0032



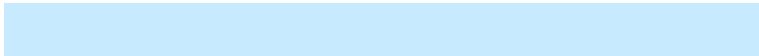
21.1010, 27.4225, 13.2223

Sweetspot

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



23.8514, 27.4234, 63.0682



71.1323, 78.4597, 106.0029



26.5182, 46.4839, 21.6387



14.6881, 16.2888, 22.6198



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.



23.8514, 27.4234, 63.0682



33.2694, 36.9459, 99.9855



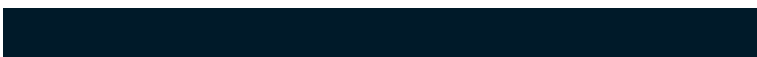
15.4355, 10.5916, 60.2629



11.7794, 12.6491, 15.0643



12.3221, 13.2908, 39.1084



0.7632, 0.8916, 2.2114

Inverse Universe

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



32.6381, 18.1392, 31.0600



49.0961, 25.0687, 41.2455



43.5498, 47.8347, 10.4290



12.1196, 11.9326, 13.9054



18.8503, 9.4130, 14.6500



1.0915, 0.5413, 1.0164

Previews

White Background



This preview shows how the XYZ color 23.8504, 27.4225, 63.0675 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 23.8504, 27.4225, 63.0675 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

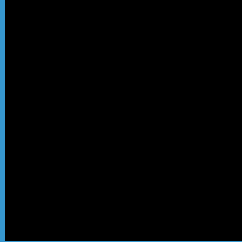
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.8504, 27.4225, 63.0675

Background



This preview shows how black text looks on a background with the XYZ color 23.8504, 27.4225, 63.0675.

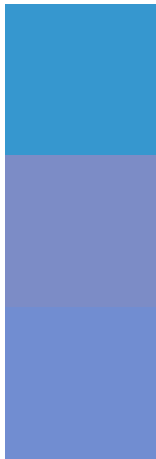


This preview shows how white text looks on a background with the XYZ color 23.8504, 27.4225,

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

23.8504, 27.4225, 63.0675

Protanopia

27.8833, 27.1185, 57.1909

Deuteranopia

27.8436, 27.1639, 64.0972



Tritanopia

19.7156, 27.4651, 42.7903

Trichromacy



Original Color

23.8504, 27.4225, 63.0675

Protanomaly

25.6615, 26.8162, 59.0819

Deuteranomaly

25.9242, 27.0802, 63.5352

Tritanomaly

20.8251, 27.1364, 49.4877

Monochromacy



Original Color

23.8504, 27.4225, 63.0675

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

20.2568, 22.8093, 35.2333

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8504, 27.4225, 63.0675 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(54, 151, 207)` looks like.

```
.text, #text, p{  
    color:rgb(54, 151, 207)  
}
```

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(54, 151, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 151, 207) }
```

Border

The CSS property to change the border of an element to XYZ 23.8504, 27.4225, 63.0675 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(54, 151, 207) }
```


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

```
.border{ border-color:rgb(54, 151, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(54, 151, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 151, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 151, 207);  
box-shadow:4px 4px 4px 4px rgb(54, 151,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 23.8504, 27.4225, 63.0675 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 151, 207) }
```

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

```
.background{ background-color: rgb(54, 151,  
207) }
```

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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