

Converting Colors

XYZ(22.8041, 26.6955, 58.0111)

Have a look what the booklet for
XYZ(22.8041, 26.6955, 58.0111)
contains.

XYZ(22.8460, 26.7770, 57.9972)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(22.8460, 26.7770,
57.9972)**

Conversions

Conversions Part 1

Format	Color
Hex	3896C7
RGB	56, 150, 199
RGB Percent	22%, 59%, 78%
CMY	0.7804, 0.4118, 0.2196
CMYK	0.72, 0.25, 0.00, 0.22
HSL	201°, 56%, 50%
HSV	201°, 72%, 78%
XYZ	22.8460, 26.7770, 57.9972
YIQ	127.4800, -71.7530, -4.6890

Conversions

Conversions Part 2

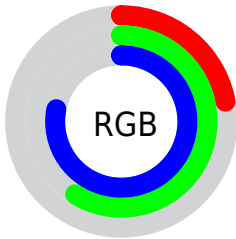
Format	Color
R _Y B	56, 113, 199
Decimal	3708615
CIE Lab	58.77, -11.39, -33.21
CIE LCh	59, 35.114, 251.068
Yxy	26.7770, 0.2123, 0.2488
Android (android.graphics.Color)	4281898695 (0xFF3896C7)
YUV	127.4800, 35.2594, -62.6880
Hunter-Lab	51.7465, -11.7489, -30.2294

Details

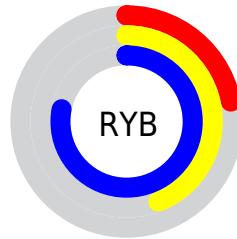
The XYZ color **22.8460, 26.7770, 57.9972** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle muted azure. A complement of this color would be **29.3197, 22.5324, 6.5463**, and the grayscale version is **20.2391, 21.2932, 23.1882**.

A 20% lighter version of the original color is **47.3886, 54.3988, 102.6101**, and **9.5727, 10.9680, 28.4006** is the 20% darker color. If you saturate the color by 10%, you get **20.8902, 24.2005, 57.6035**, and if you desaturate by 10%, it is **25.3089, 29.7098, 58.4340**.

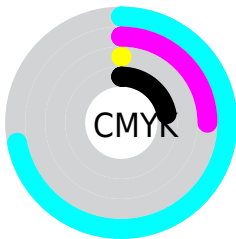
Distribution



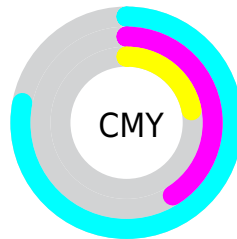
- Red (22%)
- Green (59%)
- Blue (78%)



- Red (22%)
- Yellow (44%)
- Blue (78%)



- Cyan (72%)
- Magenta (25%)
- Yellow (0%)
- Black (22%)



- Cyan (78%)
- Magenta (41%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.8460, 26.7770, 57.9972 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 22.8460, 26.7770, 57.9972 by changing the saturation by 10% instead.

■ 22.8460, 26.7770,
57.9972

■ 22.8460, 26.7770,
57.9972

259.4832,
286.5758, 434.7735

■ 14.5999, 17.4058,
41.3917

■ 47.6089, 54.5258,
103.4335

■ 8.6236, 10.5242,
28.3033

■ 64.8563, 73.6722,
133.1014

■ 4.5516, 5.7479,
18.3134

■ 85.8350, 96.8459,
167.9606

■ 2.0187, 2.6924,
11.0034

■ 110.9101,
124.4311, 208.4295

■ 0.6444, 0.9733,
5.9550

■ 140.4472,
156.8123, 254.9267

■ 0.0000, 0.0000,
2.7494

174.8115,

■ 0.0000, 0.0000,

194.3739, 307.8707

0.9681

214.3683,
237.5002, 367.6801

■ 0.0000, 0.0000,
0.0000

■ 22.8460, 26.7770,
57.9972

■ 22.8460, 26.7770,
57.9972

■ 20.8902, 24.2005,
57.6035

■ 25.3089, 29.7098,
58.4340

■ 19.3817, 21.9466,
57.2480

■ 28.3238, 33.0223,
58.9145

■ 18.3997, 20.3052,
56.9829

■ 31.9337, 36.7386,
59.4416

■ 36.1760, 40.8795,
60.0172

■ 41.0851, 45.4641,
60.6434

■ 46.6926, 50.5102,
61.3218

■ 53.0282, 56.0343,
62.0542

■ 60.1196, 62.0523,
62.8420

■ 67.9931, 68.5788,
63.6868

Harmonies

Analogous

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



19.6799, 26.7770, 47.7757



22.8460, 26.7770, 57.9972



27.0815, 26.7770, 59.3450

Triad

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



22.8460, 26.7770, 57.9972



34.5191, 26.7770, 24.8167



20.3673, 26.7770, 14.6295

Complementary

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



22.8460, 26.7770, 57.9972



29.3197, 22.5324, 6.5463

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.



23.8868, 26.7770, 11.4673



22.8460, 26.7770, 57.9972



32.2520, 26.7770, 16.1373

Square

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



22.8460, 26.7770, 57.9972



34.1586, 26.7770, 37.5886



28.2463, 26.7770, 11.9272



18.3648, 26.7770, 22.0888

Rectangle

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



22.8460, 26.7770, 57.9972



29.9898, 26.7770, 54.6947



28.2463, 26.7770, 11.9272



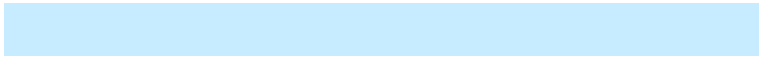
21.3945, 26.7770, 13.1393

Sweetspot

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



22.8469, 26.7779, 57.9979



71.5078, 79.2107, 106.1281



24.5371, 42.6811, 19.9547



14.7771, 16.4668, 22.6495



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.



22.8469, 26.7779, 57.9979



35.0588, 40.1730, 100.5141



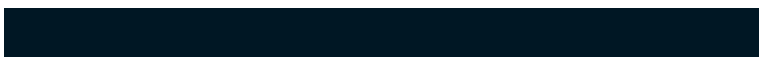
14.7972, 10.6785, 55.3146



10.6289, 11.4318, 13.5639



11.9154, 13.2247, 36.6690



0.6296, 0.7570, 1.7581

Inverse Universe

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



30.4732, 17.1735, 30.5638



50.0851, 25.7930, 45.4405



39.6303, 43.1535, 9.9832



10.9227, 10.7525, 12.5763



17.8137, 8.8750, 14.7606



0.8765, 0.4334, 0.8728

Previews

White Background



This preview shows how the XYZ color 22.8460, 26.7770, 57.9972 looks on a white background.

Color Contrast Check

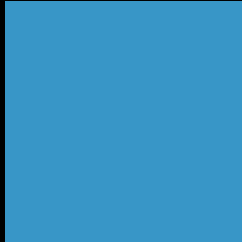
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.8460, 26.7770, 57.9972 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

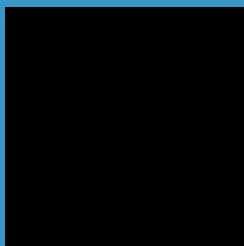
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

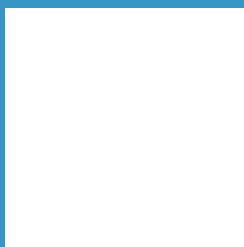
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.8460, 26.7770, 57.9972

Background



This preview shows how black text looks on a background with the XYZ color 22.8460, 26.7770, 57.9972.

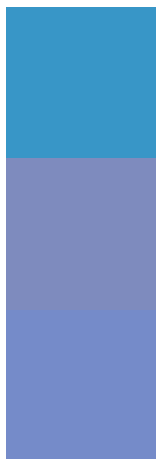


This preview shows how white text looks on a background with the XYZ color 22.8460, 26.7770,

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

22.8460, 26.7770, 57.9972

Protanopia

27.1311, 26.6186, 52.4231

Deuteranopia

27.1114, 26.4642, 58.9375



Tritanopia

19.5214, 26.8954, 41.2082

Trichromacy



Original Color

22.8460, 26.7770, 57.9972

Protanomaly

24.8149, 26.2619, 54.2132

Deuteranomaly

24.9671, 26.2479, 58.3940

Tritanomaly

20.5674, 26.8170, 46.7400

Monochromacy



Original Color

22.8460, 26.7770, 57.9972

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

19.7806, 22.3946, 33.4170

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.8460, 26.7770, 57.9972 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(56, 150, 199)` looks like.

```
.text, #text, p{  
    color:rgb(56, 150, 199)  
}
```

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(56, 150, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 150, 199) }
```

Border

The CSS property to change the border of an element to XYZ 22.8460, 26.7770, 57.9972 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(56, 150, 199) }
```


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

```
.border{ border-color:rgb(56, 150, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 150, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 150, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 150, 199);  
box-shadow:4px 4px 4px 4px rgb(56, 150,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 22.8460, 26.7770, 57.9972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 150, 199) }
```

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

```
.background{ background-color: rgb(56, 150,  
199) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor