

Converting Colors

XYZ(23.7779, 28.4806, 57.6702)

Have a look what the booklet for
XYZ(23.7779, 28.4806, 57.6702)
contains.

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Color

**XYZ(23.7779, 28.4806,
57.6702)**

Conversions

Conversions Part 1

Format	Color
Hex	3C9BC6
RGB	60, 155, 198
RGB Percent	24%, 61%, 78%
CMY	0.7647, 0.3921, 0.2235
CMYK	0.70, 0.22, 0.00, 0.22
HSL	199°, 55%, 51%
HSV	199°, 70%, 78%
XYZ	23.7779, 28.4806, 57.6702
YIQ	131.4970, -70.4230, -6.7670

Conversions

Conversions Part 2

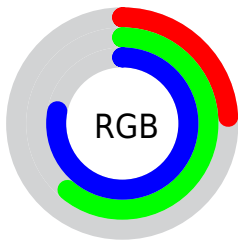
Format	Color
R_{YB}	60, 116, 198
Decimal	3972038
CIE _{Lab}	60.32, -13.92, -30.23
CIE _{LCh}	60, 33.280, 245.283
Yxy	28.4806, 0.2163, 0.2591
Android (android.graphics.Color)	4282162118 (0xFF3C9BC6)
YUV	131.4970, 32.7860, -62.7029
Hunter-Lab	53.3672, -13.8615, -26.7135

Details

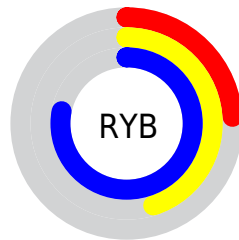
The XYZ color **23.7779, 28.4806, 57.6702** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle muted azure. A complement of this color would be **28.9558, 22.0343, 7.0031**, and the grayscale version is **21.6568, 22.7846, 24.8124**.

A 20% lighter version of the original color is **49.0188, 57.0319, 103.0324**, and **9.9844, 11.9142, 28.1590** is the 20% darker color. If you saturate the color by 10%, you get **21.7973, 25.9745, 57.2914**, and if you desaturate by 10%, it is **26.2603, 31.3243, 58.0888**.

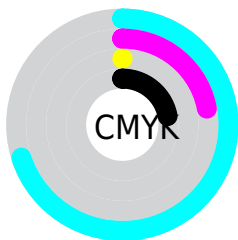
Distribution



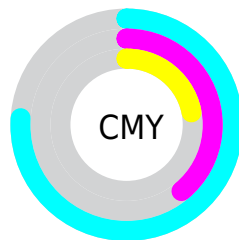
- Red (24%)
- Green (61%)
- Blue (78%)



- Red (24%)
- Yellow (45%)
- Blue (78%)



- Cyan (70%)
- Magenta (22%)
- Yellow (0%)
- Black (22%)



- Cyan (76%)
- Magenta (39%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.7779, 28.4806, 57.6702 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 23.7779, 28.4806, 57.6702 by changing the saturation by 10% instead.

■ 23.7779, 28.4806,
57.6702

■ 23.7779, 28.4806,
57.6702

264.1570,
294.7563, 433.5198

■ 15.2928, 18.6883,
41.1306

■ 49.1248, 57.2508,
102.9525

■ 9.1128, 11.4452,
28.1007

■ 66.7174, 76.9975,
132.5322

■ 4.8725, 6.3671,
18.1619

■ 88.0764, 100.8311,
167.2958

■ 2.2066, 3.0696,
10.8956

■ 113.5674,
129.1360, 207.6617

■ 0.7462, 1.1682,
5.8834

■ 143.5556,
162.2965, 254.0486

■ 0.0000, 0.0355,
2.7067

178.4063,

■ 0.0000, 0.0000,

200.6972, 306.8748

0.9468

218.4850,
244.7223, 366.5590

■ 0.0000, 0.0000,
0.0000

■ 23.7779, 28.4806,
57.6702

■ 23.7779, 28.4806,
57.6702

■ 21.7973, 25.9745,
57.2914

■ 26.2603, 31.3243,
58.0888

■ 20.2619, 23.7741,
56.9476

■ 29.2870, 34.5272,
58.5475

■ 19.0745, 21.8286,
56.6347

■ 32.8990, 38.1119,
59.0491

■ 19.0401, 21.7711,
56.6254

■ 37.1326, 42.0982,
59.5954

■ 42.0206, 46.5042,
60.1882

■ 47.5938, 51.3467,
60.8291

■ 53.8806, 56.6414,
61.5198

■ 60.9079, 62.4032,
62.2615

■ 68.7013, 68.6462,
63.0558

Harmonies

Analogous

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



20.9020, 28.4806, 46.6831



23.7779, 28.4806, 57.6702



27.8334, 28.4806, 60.8353

Triad

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



23.7779, 28.4806, 57.6702



36.1025, 28.4806, 28.8943



22.5964, 28.4806, 15.4960

Complementary

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



23.7779, 28.4806, 57.6702



28.9558, 22.0343, 7.0031

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.



26.3206, 28.4806, 12.9865



23.7779, 28.4806, 57.6702



34.3456, 28.4806, 19.3087

Square

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



23.7779, 28.4806, 57.6702



35.2397, 28.4806, 41.9262



30.6527, 28.4806, 14.1716



20.2718, 28.4806, 22.1758

Rectangle

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



23.7779, 28.4806, 57.6702



30.7325, 28.4806, 57.5220



30.6527, 28.4806, 14.1716



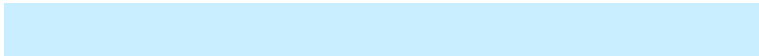
23.7106, 28.4806, 14.2298

Sweetspot

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



23.7789, 28.4816, 57.6709



72.9245, 81.0318, 106.4049



24.4273, 42.2971, 19.2933



15.0756, 16.8671, 22.7111



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.



23.7789, 28.4816, 57.6709



36.9941, 43.7626, 101.1050



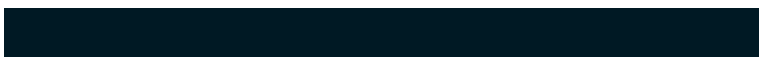
15.5147, 11.9533, 54.9162



10.6571, 11.4884, 13.5733



12.4613, 14.3164, 36.8509



0.6525, 0.8028, 1.7657

Inverse Universe

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



30.8219, 17.6052, 32.7849



51.1306, 26.4739, 50.1360



38.5551, 41.2329, 10.2029



10.9370, 10.7582, 12.6514



18.0892, 8.9852, 16.2114



0.8881, 0.4381, 0.9336

Previews

White Background



This preview shows how the XYZ color 23.7779, 28.4806, 57.6702 looks on a white background.

Color Contrast Check

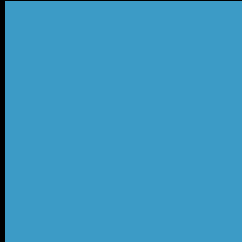
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.7779, 28.4806, 57.6702 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

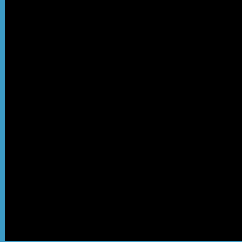
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.7779, 28.4806, 57.6702

Background



This preview shows how black text looks on a background with the XYZ color 23.7779, 28.4806, 57.6702.

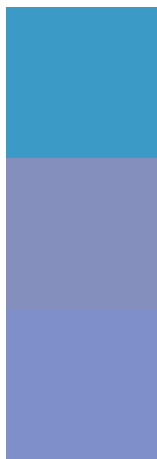


This preview shows how white text looks on a background with the XYZ color 23.7779, 28.4806,

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

23.7779, 28.4806, 57.6702

Protanopia

28.5235, 28.2246, 52.0887

Deuteranopia

28.9693, 28.2976, 59.1935



Tritanopia

21.1099, 28.6723, 43.9569

Trichromacy



Original Color

23.7779, 28.4806, 57.6702

Protanomaly

25.8920, 27.7374, 53.8584

Deuteranomaly

26.3385, 27.8623, 58.6334

Tritanomaly

21.9370, 28.4841, 48.5977

Monochromacy



Original Color

23.7779, 28.4806, 57.6702

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

21.3227, 24.2206, 35.0037

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.7779, 28.4806, 57.6702 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(60, 155, 198)` looks like.

```
.text, #text, p{  
    color:rgb(60, 155, 198)  
}
```

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(60, 155, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 155, 198) }
```

Border

The CSS property to change the border of an element to XYZ 23.7779, 28.4806, 57.6702 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(60, 155, 198) }
```


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

```
.border{ border-color:rgb(60, 155, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 155, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 155, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 155, 198);  
box-shadow:4px 4px 4px 4px rgb(60, 155,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 23.7779, 28.4806, 57.6702 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 155, 198) }
```

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

```
.background{ background-color: rgb(60, 155,  
198) }
```

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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