

Converting Colors

XYZ(22.8406, 27.3850, 57.4737)

Have a look what the booklet for
XYZ(22.8406, 27.3850, 57.4737)
contains.

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Color

**XYZ(22.7865, 27.2375,
57.4825)**

Conversions

Conversions Part 1

Format	Color
Hex	3398C6
RGB	51, 152, 198
RGB Percent	20%, 60%, 78%
CMY	0.8000, 0.4039, 0.2235
CMYK	0.74, 0.23, 0.00, 0.22
HSL	199°, 59%, 49%
HSV	199°, 74%, 78%
XYZ	22.7865, 27.2375, 57.4825
YIQ	127.0450, -74.9620, -7.1060

Conversions

Conversions Part 2

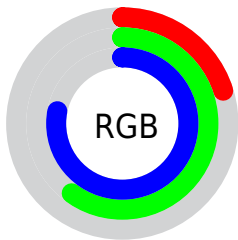
Format	Color
R_{YB}	51, 111, 198
Decimal	3381446
CIE _{Lab}	59.19, -13.50, -32.00
CIE _{LCh}	59, 34.729, 247.126
Yxy	27.2375, 0.2120, 0.2534
Android (android.graphics.Color)	4281571526 (0xFF3398C6)
YUV	127.0450, 34.9808, -66.6915
Hunter-Lab	52.1896, -13.3968, -28.7704

Details

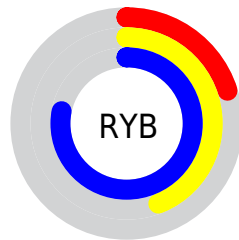
The XYZ color **22.7865, 27.2375, 57.4825** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle muted azure. A complement of this color would be **28.1622, 20.7960, 5.6628**, and the grayscale version is **20.0917, 21.1380, 23.0193**.

A 20% lighter version of the original color is **47.4574, 55.1445, 102.7504**, and **9.6877, 11.3210, 28.0601** is the 20% darker color. If you saturate the color by 10%, you get **21.0135, 24.8698, 57.1195**, and if you desaturate by 10%, it is **25.0385, 29.9311, 57.8843**.

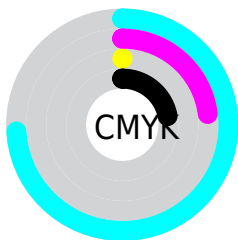
Distribution



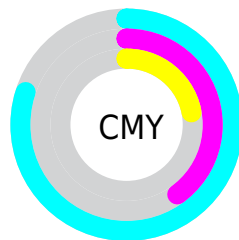
- Red (20%)
- Green (60%)
- Blue (78%)



- Red (20%)
- Yellow (44%)
- Blue (78%)



- Cyan (74%)
- Magenta (23%)
- Yellow (0%)
- Black (22%)



- Cyan (80%)
- Magenta (40%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.7865, 27.2375, 57.4825 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 22.7865, 27.2375, 57.4825 by changing the saturation by 10% instead.

■ 22.7865, 27.2375,
57.4825

■ 22.7865, 27.2375,
57.4825

259.1824,
288.8052, 432.7991

■ 14.5558, 17.7517,
40.9808

■ 47.5118, 55.2647,
102.6762

■ 8.5925, 10.7718,
27.9845

■ 64.7370, 74.5749,
132.2053

■ 4.5313, 5.9136,
18.0750

■ 85.6911, 97.9287,
166.9139

■ 2.0069, 2.7926,
10.8339

■ 110.7395,
125.7105, 207.2206

■ 0.6378, 1.0245,
5.8425

■ 140.2474,
158.3046, 253.5440

■ 0.0000, 0.0000,
2.6823

174.5803,

■ 0.0000, 0.0000,

196.0955, 306.3025

0.9345

214.1035,
239.4676, 365.9147

■ 0.0000, 0.0000,
0.0000

■ 22.7865, 27.2375,
57.4825

■ 22.7865, 27.2375,
57.4825

■ 21.0135, 24.8698,
57.1195

■ 25.0385, 29.9311,
57.8843

■ 19.6578, 22.7935,
56.7902

■ 27.8153, 32.9739,
58.3252

■ 19.0028, 21.6966,
56.6130

■ 31.1604, 36.3900,
58.8083

■ 35.1114, 40.1998,
59.3354

■ 39.7027, 44.4222,
59.9084

■ 44.9659, 49.0745,
60.5290

■ 50.9305, 54.1729,
61.1988

■ 57.6241, 59.7328,
61.9191

■ 65.0728, 65.7685,
62.6915

Harmonies

Analogous

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



19.8039, 27.2375, 46.4938



22.7865, 27.2375, 57.4825



26.9346, 27.2375, 60.1500

Triad

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



22.7865, 27.2375, 57.4825



35.0553, 27.2375, 26.7974



21.1833, 27.2375, 14.4239

Complementary

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



22.7865, 27.2375, 57.4825



28.1622, 20.7960, 5.6628

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.



24.8697, 27.2375, 11.7367



22.7865, 27.2375, 57.4825



33.1067, 27.2375, 17.4721

Square

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



22.7865, 27.2375, 57.4825



34.3380, 27.2375, 39.9193



29.2598, 27.2375, 12.6715



18.9529, 27.2375, 21.3240

Rectangle

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



22.7865, 27.2375, 57.4825



29.8713, 27.2375, 56.3284



29.2598, 27.2375, 12.6715



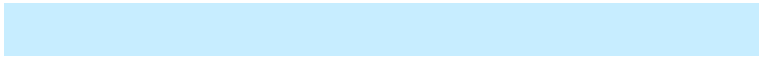
22.2763, 27.2375, 13.1003

Sweetspot

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



22.7875, 27.2384, 57.4832



71.9896, 80.1744, 106.2887



23.6305, 41.9208, 17.6981



14.8915, 16.6956, 22.6877



0.0000, 0.0000, 0.0000



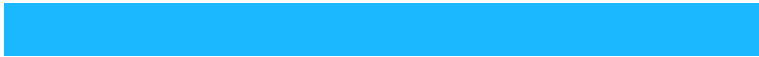
20.3446, 21.4041, 23.3091

Same Dimension

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



22.7875, 27.2384, 57.4832



35.6664, 41.7398, 100.7845



14.4575, 10.5786, 54.7065



10.6559, 11.4859, 13.5729



12.4372, 14.2683, 36.8429



0.6515, 0.8008, 1.7654

Inverse Universe

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



30.1409, 16.6415, 31.3302



50.3060, 25.5527, 47.6166



38.0009, 40.4733, 8.9424



10.9364, 10.7579, 12.6481



18.0770, 8.9804, 16.1475



0.8875, 0.4379, 0.9310

Previews

White Background



This preview shows how the XYZ color 22.7865, 27.2375, 57.4825 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 22.7865, 27.2375, 57.4825 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 22.7865, 27.2375, 57.4825

Background



This preview shows how black text looks on a background with the XYZ color 22.7865, 27.2375, 57.4825.

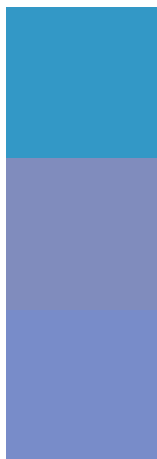


This preview shows how white text looks on a background with the XYZ color 22.7865, 27.2375,

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

22.7865, 27.2375, 57.4825

Protanopia

27.4655, 27.0195, 51.9118

Deuteranopia

27.6664, 26.9663, 59.0052



Tritanopia

19.6660, 27.1984, 42.2435

Trichromacy



Original Color

22.7865, 27.2375, 57.4825

Protanomaly

24.7432, 26.4616, 53.6727

Deuteranomaly

25.1179, 26.5495, 58.4443

Tritanomaly

20.5868, 27.0613, 47.3183

Monochromacy



Original Color

22.7865, 27.2375, 57.4825

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

19.6995, 22.5609, 33.4534

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.7865, 27.2375, 57.4825 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(51, 152, 198)` looks like.

```
.text, #text, p{  
    color:rgb(51, 152, 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(51, 152, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 152, 198) }
```

Border

The CSS property to change the border of an element to XYZ 22.7865, 27.2375, 57.4825 is called "border". The border property can be set on classes, ids or directly on the HTML element.

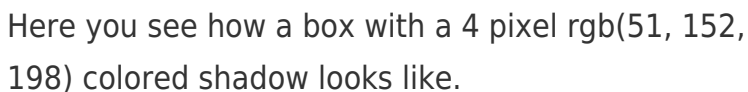
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(51, 152, 198) }
```


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

```
.border{ border-color:rgb(51, 152, 198) }
```

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



Here you see how a box with a 4 pixel `rgb(51, 152, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(51, 152, 198); -webkit-box-shadow:4px 4px 4px 4px rgb(51, 152, 198); box-shadow:4px 4px 4px 4px rgb(51, 152, 198) }
```

Background

The CSS property to change the background color of an element to XYZ 22.7865, 27.2375, 57.4825 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 152, 198) }
```

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

```
.background{ background-color: rgb(51, 152,  
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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