

Converting Colors

XYZ(22.7731, 27.3176, 58.0497)

Have a look what the booklet for
XYZ(22.7731, 27.3176, 58.0497)
contains.

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Color

**XYZ(22.7093, 27.1843,
58.0830)**

Conversions

Conversions Part 1

Format	Color
Hex	2F98C7
RGB	47, 152, 199
RGB Percent	18%, 60%, 78%
CMY	0.8156, 0.4039, 0.2196
CMYK	0.76, 0.24, 0.00, 0.22
HSL	199°, 62%, 48%
HSV	199°, 76%, 78%
XYZ	22.7093, 27.1843, 58.0830
YIQ	125.9630, -77.6670, -7.6430

Conversions

Conversions Part 2

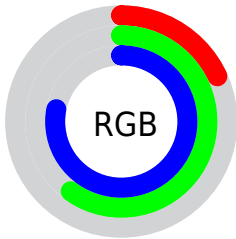
Format	Color
R _Y B	47, 109, 199
Decimal	3119303
CIE Lab	59.14, -13.64, -32.64
CIE LCh	59, 35.379, 247.324
Yxy	27.1843, 0.2103, 0.2518
Android (android.graphics.Color)	4281309383 (0xFF2F98C7)
YUV	125.9630, 36.0072, -69.2506
Hunter-Lab	52.1386, -13.4956, -29.5528

Details

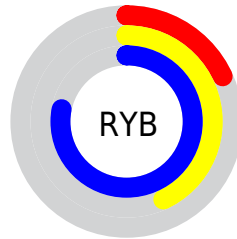
The XYZ color **22.7093, 27.1843, 58.0830** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark muted azure. A complement of this color would be **28.0704, 20.3548, 5.1399**, and the grayscale version is **19.7205, 20.7475, 22.5940**.

A 20% lighter version of the original color is **47.1915, 55.0075, 102.7380**, and **9.7645, 11.3517, 28.4645** is the 20% darker color. If you saturate the color by 10%, you get **21.0194, 24.8691, 57.7257**, and if you desaturate by 10%, it is **24.8710, 29.8205, 58.4785**.

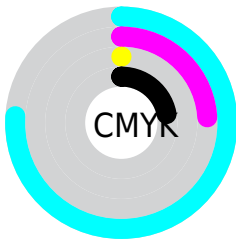
Distribution



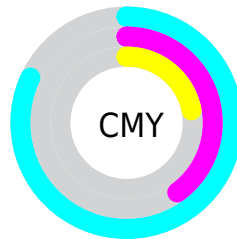
- Red (18%)
- Green (60%)
- Blue (78%)



- Red (18%)
- Yellow (43%)
- Blue (78%)



- Cyan (76%)
- Magenta (24%)
- Yellow (0%)
- Black (22%)



- Cyan (82%)
- Magenta (40%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.7093, 27.1843, 58.0830 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 22.7093, 27.1843, 58.0830 by changing the saturation by 10% instead.

■ 22.7093, 27.1843,
58.0830

■ 22.7093, 27.1843,
58.0830

258.7917,
288.5484, 435.1020

■ 14.4985, 17.7117,
41.4602

■ 47.3857, 55.1795,
103.5597

■ 8.5522, 10.7432,
28.3565

■ 64.5821, 74.4708,
133.2507

■ 4.5050, 5.8944,
18.3532

■ 85.5044, 97.8039,
168.1349

■ 1.9916, 2.7810,
11.0318

■ 110.5179,
125.5630, 208.6307

■ 0.6293, 1.0185,
5.9738

■ 139.9880,
158.1326, 255.1568

■ 0.0000, 0.0000,
2.7606

174.2801,

■ 0.0000, 0.0000,

195.8971, 308.1317

0.9737

213.7596,
239.2409, 367.9739

■ 0.0000, 0.0000,
0.0000

■ 22.7093, 27.1843,
58.0830

■ 22.7093, 27.1843,
58.0830

■ 21.0194, 24.8691,
57.7257

■ 24.8710, 29.8205,
58.4785

■ 19.7327, 22.8371,
57.4013

■ 27.5526, 32.8024,
58.9127

■ 19.3208, 22.1473,
57.2899

■ 30.7993, 36.1547,
59.3886

■ 34.6500, 39.8987,
59.9083

■ 39.1402, 44.0537,
60.4737

■ 44.3024, 48.6374,
61.0863

■ 50.1669, 53.6666,
61.7480

■ 56.7619, 59.1567,
62.4601

■ 64.1142, 65.1226,
63.2241

Harmonies

Analogous

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



19.6729, 27.1843, 46.8693



22.7093, 27.1843, 58.0830



26.9322, 27.1843, 60.7507

Triad

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



22.7093, 27.1843, 58.0830



35.1780, 27.1843, 26.6145



21.0369, 27.1843, 14.2008

Complementary

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



22.7093, 27.1843, 58.0830



28.0704, 20.3548, 5.1399

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.



24.7735, 27.1843, 11.4748



22.7093, 27.1843, 58.0830



33.1724, 27.1843, 17.1971

Square

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



22.7093, 27.1843, 58.0830



34.4638, 27.1843, 39.9658



29.2413, 27.1843, 12.3895



18.7866, 27.1843, 21.2006

Rectangle

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



22.7093, 27.1843, 58.0830



29.9223, 27.1843, 56.7902



29.2413, 27.1843, 12.3895



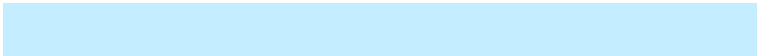
22.1431, 27.1843, 12.8603

Sweetspot

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



22.7103, 27.1852, 58.0837



71.1509, 79.4924, 106.2013



23.5549, 42.2352, 17.1759



14.5557, 16.4077, 22.6498



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.



22.7103, 27.1852, 58.0837



35.1681, 41.0158, 100.6710



14.1643, 10.0934, 55.2350



10.6593, 11.4927, 13.5740



12.5043, 14.4026, 36.8653



0.6543, 0.8064, 1.7663

Inverse Universe

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



30.2380, 16.4432, 31.2867



49.9880, 25.1708, 46.7271



38.1809, 40.5760, 8.5101



10.9381, 10.7586, 12.6571



18.1109, 8.9939, 16.3260



0.8890, 0.4384, 0.9384

Previews

White Background



This preview shows how the XYZ color 22.7093, 27.1843, 58.0830 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 22.7093, 27.1843, 58.0830 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

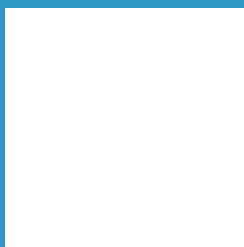
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.7093, 27.1843, 58.0830

Background



This preview shows how black text looks on a background with the XYZ color 22.7093, 27.1843, 58.0830.

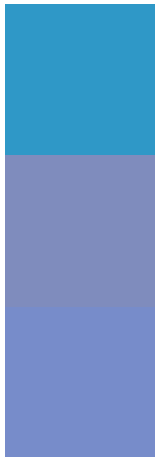


This preview shows how white text looks on a background with the XYZ color 22.7093, 27.1843,

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

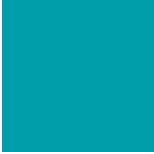
22.7093, 27.1843, 58.0830

Protanopia

27.3158, 26.9423, 51.9048

Deuteranopia

27.6465, 26.9424, 59.6204



Tritanopia

19.3127, 27.0162, 42.2270

Trichromacy



Original Color

22.7093, 27.1843, 58.0830

Protanomaly

24.6359, 26.3934, 54.2481

Deuteranomaly

25.0301, 26.4907, 59.0523

Tritanomaly

20.2930, 26.8981, 47.8384

Monochromacy



Original Color

22.7093, 27.1843, 58.0830

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

19.3435, 22.1692, 33.3966

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.7093, 27.1843, 58.0830 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(47, 152, 199)` looks like.

```
.text, #text, p{  
    color:rgb(47, 152, 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(47, 152, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 152, 199) }
```

Border

The CSS property to change the border of an element to XYZ 22.7093, 27.1843, 58.0830 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(47, 152, 199) }
```


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

```
.border{ border-color:rgb(47, 152, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 152, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 152, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 152, 199);  
box-shadow:4px 4px 4px 4px rgb(47, 152,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 22.7093, 27.1843, 58.0830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 152, 199) }
```

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

```
.background{ background-color: rgb(47, 152,  
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](#).

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