

Converting Colors

XYZ(22.6758, 27.4379, 52.5565)

Have a look what the booklet for
XYZ(22.6758, 27.4379, 52.5565)
contains.

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Color

**XYZ(22.7998, 27.5902,
52.8390)**

Conversions

Conversions Part 1

Format	Color
Hex	4099BE
RGB	64, 153, 190
RGB Percent	25%, 60%, 75%
CMY	0.7490, 0.4000, 0.2549
CMYK	0.66, 0.19, 0.00, 0.25
HSL	198°, 50%, 50%
HSV	198°, 66%, 75%
XYZ	22.7998, 27.5902, 52.8390
YIQ	130.6070, -64.9210, -7.3610

Conversions

Conversions Part 2

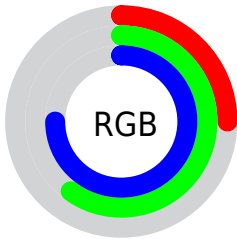
Format	Color
R _Y B	64, 116, 190
Decimal	4233662
CIE Lab	59.52, -14.83, -26.97
CIE LCh	60, 30.776, 241.188
Yxy	27.5902, 0.2209, 0.2673
Android (android.graphics.Color)	4282423742 (0xFF4099BE)
YUV	130.6070, 29.2807, -58.4143
Hunter-Lab	52.5264, -14.4408, -22.8744

Details

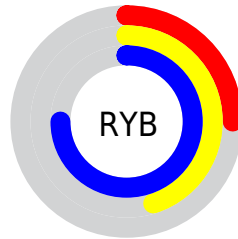
The XYZ color **22.7998, 27.5902, 52.8390** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **26.8151, 20.6257, 7.4192**, and the grayscale version is **21.3500, 22.4619, 24.4610**.

A 20% lighter version of the original color is **47.4048, 55.6394, 95.4298**, and **9.1953, 11.2803, 24.9852** is the 20% darker color. If you saturate the color by 10%, you get **20.8764, 25.2750, 52.4940**, and if you desaturate by 10%, it is **25.1885, 30.2097, 53.2192**.

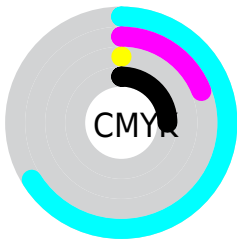
Distribution



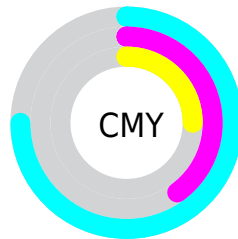
- Red (25%)
- Green (60%)
- Blue (75%)



- Red (25%)
- Yellow (45%)
- Blue (75%)



- Cyan (66%)
- Magenta (19%)
- Yellow (0%)
- Black (25%)



- Cyan (75%)
- Magenta (40%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.7998, 27.5902, 52.8390 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 22.7998, 27.5902, 52.8390 by changing the saturation by 10% instead.

■ 22.7998, 27.5902,
52.8390

■ 22.7998, 27.5902,
52.8390

259.2496,
290.5035, 414.7159

■ 14.5656, 18.0170,
37.2874

■ 47.5335, 55.8295,
95.8066

■ 8.5994, 10.9622,
25.1326

■ 64.7637, 75.2644,
124.0596

■ 4.5358, 6.0414,
15.9559

■ 85.7233, 98.7553,
157.3836

■ 2.0095, 2.8703,
9.3390

■ 110.7776,
126.6865, 196.1970

■ 0.6393, 1.0644,
4.8631

■ 140.2921,
159.4426, 240.9184

■ 0.0000, 0.0000,
2.1098

174.6320,

■ 0.0000, 0.0000,

197.4079, 291.9663

0.6216

214.1627,
240.9667, 349.7593

■ 0.0000, 0.0000,
0.0000

■ 22.7998, 27.5902,
52.8390

■ 22.7998, 27.5902,
52.8390

■ 20.8764, 25.2750,
52.4940

■ 25.1885, 30.2097,
53.2192

■ 19.3703, 23.2369,
52.1800

■ 28.0789, 33.1515,
53.6347

■ 18.2235, 21.4458,
51.8947

■ 31.5065, 36.4354,
54.0879

■ 17.8481, 20.8253,
51.7947

■ 35.5030, 40.0784,
54.5805

■ 40.0971, 44.0962,
55.1138

■ 45.3159, 48.5034,
55.6895

■ 51.1844, 53.3138,
56.3086

■ 57.7265, 58.5403,
56.9727

■ 64.9647, 64.1955,
57.6827

Harmonies

Analogous

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



20.3613, 27.5902, 42.4779



22.7998, 27.5902, 52.8390



26.3782, 27.5902, 56.7684

Triad

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



22.7998, 27.5902, 52.8390



34.3854, 27.5902, 29.6015



22.5573, 27.5902, 15.2540

Complementary

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



22.7998, 27.5902, 52.8390



26.8151, 20.6257, 7.4192

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.



26.0697, 27.5902, 13.3798



22.7998, 27.5902, 52.8390



33.1154, 27.5902, 20.3048

Square

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



22.7998, 27.5902, 52.8390



33.2959, 27.5902, 41.5213



29.9742, 27.5902, 14.9746



20.2313, 27.5902, 20.8998

Rectangle

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



22.7998, 27.5902, 52.8390



29.0050, 27.5902, 54.6024



29.9742, 27.5902, 14.9746



23.6261, 27.5902, 14.2346

Sweetspot

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



22.8007, 27.5912, 52.8397



69.1885, 76.9042, 99.4765



22.8144, 38.8319, 18.2746



14.6758, 16.4343, 21.7839



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



22.8007, 27.5912, 52.8397



36.3818, 43.9013, 94.8354



15.1763, 12.3423, 50.2982



9.5655, 10.3234, 12.1607



11.9384, 13.9886, 34.4637



0.5217, 0.6560, 1.3680

Inverse Universe

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



28.8191, 16.9147, 31.8840



48.8111, 25.7587, 50.6815



35.2054, 37.4062, 10.2159



9.8073, 9.6472, 11.3743



17.0267, 8.4418, 15.9662



0.6942, 0.3416, 0.7690

Previews

White Background



This preview shows how the XYZ color 22.7998, 27.5902, 52.8390 looks on a white background.

Color Contrast Check

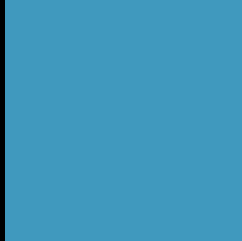
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.7998, 27.5902, 52.8390 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

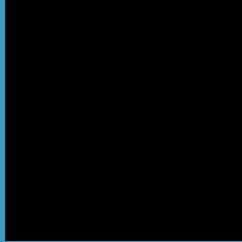
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.7998, 27.5902, 52.8390

Background



This preview shows how black text looks on a background with the XYZ color 22.7998, 27.5902, 52.8390.

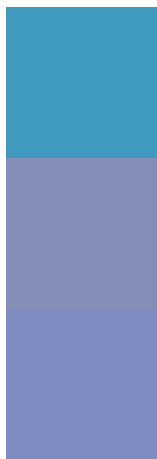


This preview shows how white text looks on a background with the XYZ color 22.7998, 27.5902,

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

22.7998, 27.5902, 52.8390

Protanopia

27.3811, 27.2915, 47.5407

Deuteranopia

27.9058, 27.1956, 54.2306



Tritanopia

20.6346, 27.7086, 41.7969

Trichromacy



Original Color

22.7998, 27.5902, 52.8390

Protanomaly

24.8405, 26.8373, 49.2183

Deuteranomaly

25.4655, 27.0598, 53.7501

Tritanomaly

21.4552, 27.7920, 45.8286

Monochromacy



Original Color

22.7998, 27.5902, 52.8390

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

20.9635, 23.8580, 33.2059

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.7998, 27.5902, 52.8390 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(64, 153, 190)` looks like.

```
.text, #text, p{  
    color:rgb(64, 153, 190)  
}
```

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(64, 153, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 153, 190) }
```

Border

The CSS property to change the border of an element to XYZ 22.7998, 27.5902, 52.8390 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(64, 153, 190) }
```


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

```
.border{ border-color:rgb(64, 153, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 153, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 153, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 153, 190);  
box-shadow:4px 4px 4px 4px rgb(64, 153,  
190) }
```

Background

The CSS property to change the background color of an element to XYZ 22.7998, 27.5902, 52.8390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 153, 190) }
```

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

```
.background{ background-color: rgb(64, 153,  
190) }
```

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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