

Converting Colors

XYZ(22.7437, 29.2393, 49.7938)

Have a look what the booklet for
XYZ(22.7437, 29.2393, 49.7938)
contains.

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Color

**XYZ(22.6808, 29.0977,
49.7684)**

Conversions

Conversions Part 1

Format	Color
Hex	389FB8
RGB	56, 159, 184
RGB Percent	22%, 62%, 72%
CMY	0.7804, 0.3765, 0.2784
CMYK	0.70, 0.14, 0.00, 0.28
HSL	192°, 53%, 47%
HSV	192°, 70%, 72%
XYZ	22.6808, 29.0977, 49.7684
YIQ	131.0530, -69.4130, -14.0610

Conversions

Conversions Part 2

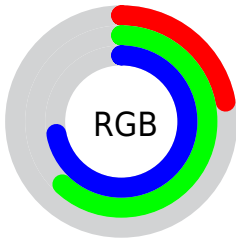
Format	Color
R _Y B	56, 113, 184
Decimal	3710904
CIE Lab	60.87, -21.20, -21.53
CIE LCh	61, 30.214, 225.448
Yxy	29.0977, 0.2234, 0.2865
Android (android.graphics.Color)	4281900984 (0xFF389FB8)
YUV	131.0530, 26.1029, -65.8215
Hunter-Lab	53.9423, -19.3461, -16.9427

Details

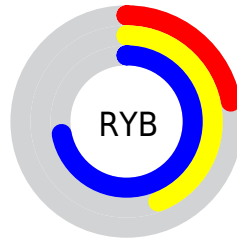
The XYZ color **22.6808, 29.0977, 49.7684** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **23.4245, 16.3622, 5.6662**, and the grayscale version is **21.5211, 22.6419, 24.6570**.

A 20% lighter version of the original color is **47.3825, 58.3063, 91.1950**, and **9.3544, 12.1541, 23.3257** is the 20% darker color. If you saturate the color by 10%, you get **21.2262, 27.4442, 49.5265**, and if you desaturate by 10%, it is **24.5331, 30.9840, 50.0354**.

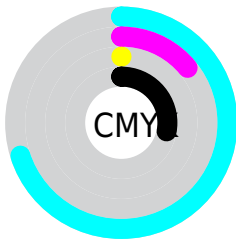
Distribution



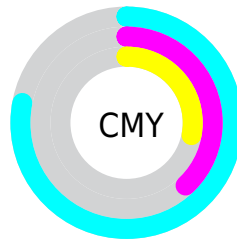
- Red (22%)
- Green (62%)
- Blue (72%)



- Red (22%)
- Yellow (44%)
- Blue (72%)



- Cyan (70%)
- Magenta (14%)
- Yellow (0%)
- Black (28%)



- Cyan (78%)
- Magenta (38%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.6808, 29.0977, 49.7684 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 22.6808, 29.0977, 49.7684 by changing the saturation by 10% instead.

■ 22.6808, 29.0977,
49.7684

■ 22.6808, 29.0977,
49.7684

258.6473,
297.6757, 402.4686

■ 14.4774, 19.1547,
34.8595

■ 47.3392, 58.2323,
91.2244

■ 8.5374, 11.7821,
23.2720

■ 64.5249, 78.1927,
118.6086

■ 4.4953, 6.5955,
14.5873

■ 85.4354, 102.2610,
150.9883

■ 1.9860, 3.2105,
8.3869

■ 110.4360,
130.8217, 188.7821

■ 0.6261, 1.2426,
4.2522

■ 139.8922,
164.2591, 232.4085

■ 0.0000, 0.0961,
1.7647

174.1692,

■ 0.0000, 0.0000,

202.9576, 282.2860

0.4045

213.6325,
247.3017, 338.8332

■ 0.0000, 0.0000,
0.0000

■ 22.6808, 29.0977,
49.7684

■ 22.6808, 29.0977,
49.7684

■ 21.2262, 27.4442,
49.5265

■ 24.5331, 30.9840,
50.0354

■ 20.1226, 25.9976,
49.3054

■ 26.8175, 33.1195,
50.3272

■ 19.2865, 24.7150,
49.1019

■ 29.5680, 35.5223,
50.6460

■ 19.2516, 24.6602,
49.0932

■ 32.8141, 38.2079,
50.9933

■ 36.5828, 41.1905,
51.3704

■ 40.8994, 44.4833,
51.7784

■ 45.7872, 48.0985,
52.2186

■ 51.2682, 52.0477,
52.6920

■ 57.3633, 56.3419,
53.1996

Harmonies

Analogous

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



20.9860, 29.0977, 37.8118



22.6808, 29.0977, 49.7684



25.7987, 29.0977, 57.6246

Triad

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



22.6808, 29.0977, 49.7684



35.6453, 29.0977, 37.4447



25.6897, 29.0977, 15.0499

Complementary

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



22.6808, 29.0977, 49.7684



23.4245, 16.3622, 5.6662

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.



29.6014, 29.0977, 14.9966



22.6808, 29.0977, 49.7684



35.6090, 29.0977, 26.2541

Square

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



22.6808, 29.0977, 49.7684



33.4062, 29.0977, 49.4453



33.3114, 29.0977, 18.6138



22.6076, 29.0977, 18.7824

Rectangle

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



22.6808, 29.0977, 49.7684



28.3811, 29.0977, 58.5191



33.3114, 29.0977, 18.6138



26.9443, 29.0977, 14.6367

Sweetspot

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



22.6817, 29.0988, 49.7691



65.0203, 73.6591, 92.9953



20.2007, 35.6939, 13.3129



13.6036, 15.5546, 20.0070



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



22.6817, 29.0988, 49.7691



37.4378, 48.4392, 89.5811



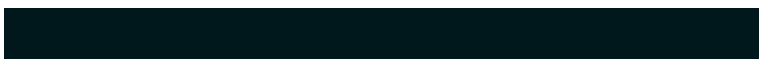
14.5156, 12.7664, 47.0470



9.1136, 9.9045, 11.5109



13.3177, 17.0950, 33.8508



0.5082, 0.6800, 1.2062

Inverse Universe

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



27.4402, 15.5230, 34.3518



47.1417, 24.2510, 57.3570



30.3747, 30.2625, 7.9829



9.3037, 9.1318, 10.9467



17.3358, 8.5081, 20.1871



0.6307, 0.3077, 0.8144

Previews

White Background



This preview shows how the XYZ color 22.6808, 29.0977, 49.7684 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 22.6808, 29.0977, 49.7684 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

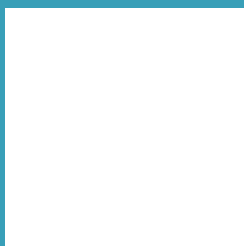
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.6808, 29.0977, 49.7684

Background



This preview shows how black text looks on a background with the XYZ color 22.6808, 29.0977, 49.7684.



This preview shows how white text looks on a background with the XYZ color 22.6808, 29.0977,

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

22.6808, 29.0977, 49.7684

Protanopia

28.5806, 28.8822, 44.1129

Deuteranopia

29.3808, 28.6790, 51.5640



Tritanopia

21.7002, 29.2238, 44.5414

Trichromacy



Original Color

22.6808, 29.0977, 49.7684

Protanomaly

25.2489, 28.2783, 46.2470

Deuteranomaly

25.9014, 28.2709, 51.1054

Tritanomaly

22.0229, 29.0860, 46.5729

Monochromacy



Original Color

22.6808, 29.0977, 49.7684

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

20.7388, 24.1948, 32.4312

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.6808, 29.0977, 49.7684 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, 159, 184)` looks like.

```
.text, #text, p{  
    color:rgb(56, 159, 184)  
}
```

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, 159, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 159, 184) }
```

Border

The CSS property to change the border of an element to XYZ 22.6808, 29.0977, 49.7684 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, 159, 184) }
```


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

```
.border{ border-color:rgb(56, 159, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 159, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 159, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 159, 184);  
box-shadow:4px 4px 4px 4px rgb(56, 159,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 22.6808, 29.0977, 49.7684 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 159, 184) }
```

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

```
.background{ background-color: rgb(56, 159,  
184) }
```

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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