

Converting Colors

XYZ(22.2163, 22.7785, 59.0714)

Have a look what the booklet for
XYZ(22.2163, 22.7785, 59.0714)
contains.

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Color

**XYZ(22.3277, 22.9342,
59.1271)**

Conversions

Conversions Part 1

Format	Color
Hex	4E86CA
RGB	78, 134, 202
RGB Percent	31%, 53%, 79%
CMY	0.6941, 0.4745, 0.2078
CMYK	0.61, 0.34, 0.00, 0.21
HSL	213°, 54%, 55%
HSV	213°, 61%, 79%
XYZ	22.3277, 22.9342, 59.1271
YIQ	125.0080, -55.2040, 9.2760

Conversions

Conversions Part 2

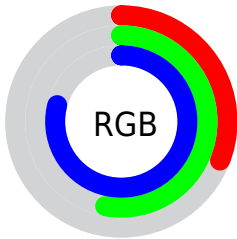
Format	Color
R _Y B	78, 117, 202
Decimal	5146314
CIE Lab	55.00, 2.46, -40.75
CIE LCh	55, 40.822, 273.452
Yxy	22.9342, 0.2139, 0.2197
Android (android.graphics.Color)	4283336394 (0xFF4E86CA)
YUV	125.0080, 37.9571, -41.2260
Hunter-Lab	47.8897, -0.5845, -39.6798

Details

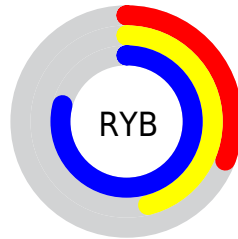
The XYZ color **22.3277, 22.9342, 59.1271** is a dark color, and the websafe version is hex **6699CC**. The color can be described as middle muted azure. A complement of this color would be **36.0125, 33.6665, 11.8092**, and the grayscale version is **19.3863, 20.3959, 22.2111**.

A 20% lighter version of the original color is **46.1369, 48.0790, 101.4562**, and **8.5150, 8.6036, 28.8156** is the 20% darker color. If you saturate the color by 10%, you get **19.4680, 19.3051, 58.5778**, and if you desaturate by 10%, it is **25.8577, 27.1477, 59.7548**.

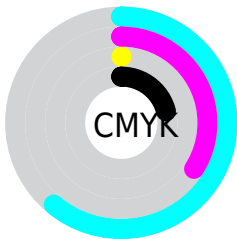
Distribution



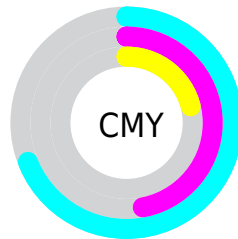
- Red (31%)
- Green (53%)
- Blue (79%)



- Red (31%)
- Yellow (46%)
- Blue (79%)



- Cyan (61%)
- Magenta (34%)
- Yellow (0%)
- Black (21%)



- Cyan (69%)
- Magenta (47%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.3277, 22.9342, 59.1271 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 22.3277, 22.9342, 59.1271 by changing the saturation by 10% instead.

■ 22.3277, 22.9342,
59.1271

■ 22.3277, 22.9342,
59.1271

256.8532,
267.3869, 439.0878

■ 14.2158, 14.5449,
42.2948

■ 46.7619, 48.2853,
105.0933

■ 8.3536, 8.5006,
29.0049

■ 63.8148, 66.0158,
135.0643

■ 4.3758, 4.4169,
18.8389

■ 84.5789, 87.6290,
170.2518

■ 1.9168, 1.9094,
11.3783

■ 109.4195,
113.5091, 211.0745

■ 0.5866, 0.5540,
6.2045

138.7018,
144.0405, 257.9509

■ 0.0000, 0.0000,
2.8990

172.7913,

■ 0.0000, 0.0000,

179.6077, 311.2996

1.0433

212.0533,
220.5950, 371.5390

■ 0.0000, 0.0000,
0.0000

■ 22.3277, 22.9342,
59.1271

■ 22.3277, 22.9342,
59.1271

■ 19.4680, 19.3051,
58.5778

■ 25.8577, 27.1477,
59.7548

■ 17.2229, 16.2233,
58.1013

■ 30.1023, 31.9742,
60.4627

■ 15.5305, 13.6497,
57.6937

■ 35.1046, 37.4433,
61.2547

■ 14.4209, 11.7845,
57.3922

■ 40.9034, 43.5811,
62.1338

■ 47.5347, 50.4126,
63.1029

■ 55.0321, 57.9609,
64.1647

■ 63.4273, 66.2483,
65.3219

■ 72.7504, 75.2960,
66.5768

■ 81.2390, 84.2007,
67.8482

Harmonies

Analogous

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



18.1276, 22.9342, 54.6467



22.3277, 22.9342, 59.1271



26.9686, 22.9342, 52.1503

Triad

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



22.3277, 22.9342, 59.1271



29.9158, 22.9342, 13.5773



14.8895, 22.9342, 15.3878

Complementary

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



22.3277, 22.9342, 59.1271



36.0125, 33.6665, 11.8092

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.



17.3350, 22.9342, 9.3900



22.3277, 22.9342, 59.1271



25.9338, 22.9342, 8.6280

Square

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



22.3277, 22.9342, 59.1271



31.7156, 22.9342, 23.4973



21.2773, 22.9342, 7.4151



14.1994, 22.9342, 26.5060

Rectangle

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



22.3277, 22.9342, 59.1271



29.5832, 22.9342, 42.9966



21.2773, 22.9342, 7.4151



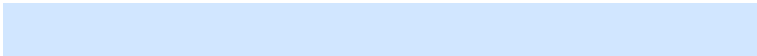
15.5150, 22.9342, 12.8540

Sweetspot

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



22.3286, 22.9350, 59.1277



72.6218, 77.2879, 105.6982



29.3077, 45.8792, 33.7514



14.8654, 15.8377, 22.5234



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.



22.3286, 22.9350, 59.1277



31.4668, 30.6883, 98.8727



16.8775, 11.5142, 57.2105



11.0120, 11.6644, 14.2414



9.3660, 7.7561, 36.9597



0.5586, 0.5510, 1.9319

Inverse Universe

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



31.3854, 19.7277, 24.7085



48.8337, 27.4427, 32.2214



45.7500, 54.7794, 15.3712



11.4194, 11.2965, 12.7432



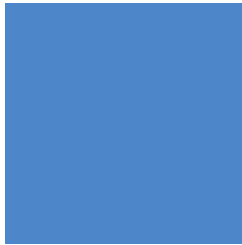
16.9384, 8.5860, 7.3945



0.9119, 0.4582, 0.5820

Previews

White Background



This preview shows how the XYZ color 22.3277, 22.9342, 59.1271 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 22.3277, 22.9342, 59.1271 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

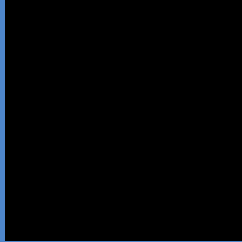
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.3277, 22.9342, 59.1271

Background



This preview shows how black text looks on a background with the XYZ color 22.3277, 22.9342, 59.1271.

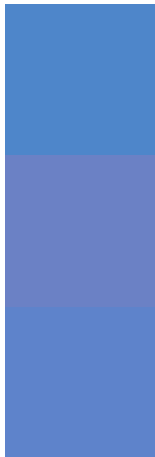


This preview shows how white text looks on a background with the XYZ color 22.3277, 22.9342,

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

22.3277, 22.9342, 59.1271

Protanopia

23.9917, 22.8575, 55.9708

Deuteranopia

23.5119, 22.9241, 59.6855



Tritanopia

17.3697, 22.8522, 34.5058

Trichromacy



Original Color

22.3277, 22.9342, 59.1271

Protanomaly

23.2490, 22.8429, 57.2166

Deuteranomaly

23.0553, 22.8890, 59.7028

Tritanomaly

18.9388, 22.8247, 42.4372

Monochromacy



Original Color

22.3277, 22.9342, 59.1271

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

19.6533, 20.9264, 33.1404

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.3277, 22.9342, 59.1271 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(78, 134, 202)` looks like.

```
.text, #text, p{  
    color:rgb(78, 134, 202)  
}
```

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(78, 134, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 134, 202) }
```

Border

The CSS property to change the border of an element to XYZ 22.3277, 22.9342, 59.1271 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(78, 134, 202) }
```


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

```
.border{ border-color:rgb(78, 134, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 134, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 134, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 134, 202);  
box-shadow:4px 4px 4px 4px rgb(78, 134,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 22.3277, 22.9342, 59.1271 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 134, 202) }
```

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

```
.background{ background-color: rgb(78, 134,  
202) }
```

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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