

Converting Colors

XYZ(22.3839, 22.6039, 58.4415)

Have a look what the booklet for
XYZ(22.3839, 22.6039, 58.4415)
contains.

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Color

**XYZ(22.3612, 22.5586,
58.4340)**

Conversions

Conversions Part 1

Format	Color
Hex	5384C9
RGB	83, 132, 201
RGB Percent	33%, 52%, 79%
CMY	0.6745, 0.4823, 0.2118
CMYK	0.59, 0.34, 0.00, 0.21
HSL	215°, 52%, 56%
HSV	215°, 59%, 79%
XYZ	22.3612, 22.5586, 58.4340
YIQ	125.2150, -51.3530, 11.0710

Conversions

Conversions Part 2

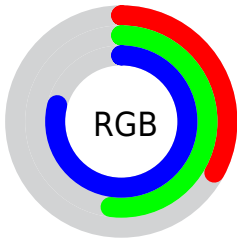
Format	Color
R_{YB}	83, 118, 201
Decimal	5473481
CIE _{Lab}	54.61, 4.29, -40.78
CIE _{LCh}	55, 41.005, 276.008
Yxy	22.5586, 0.2164, 0.2183
Android (android.graphics.Color)	4283663561 (0xFF5384C9)
YUV	125.2150, 37.3620, -37.0226
Hunter-Lab	47.4959, 0.9205, -39.6971

Details

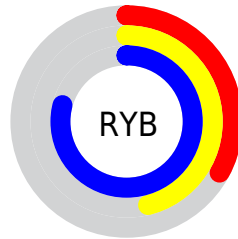
The XYZ color **22.3612, 22.5586, 58.4340** is a dark color, and the websafe version is hex **6699CC**. The color can be described as middle muted azure. A complement of this color would be **36.8783, 35.5005, 13.0935**, and the grayscale version is **19.4568, 20.4700, 22.2919**.

A 20% lighter version of the original color is **46.3835, 47.5806, 101.3471**, and **8.4098, 8.3189, 28.7662** is the 20% darker color. If you saturate the color by 10%, you get **19.3330, 18.7634, 57.8615**, and if you desaturate by 10%, it is **26.0847, 26.9795, 59.0915**.

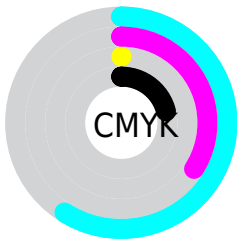
Distribution



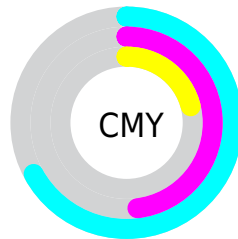
- Red (33%)
- Green (52%)
- Blue (79%)



- Red (33%)
- Yellow (46%)
- Blue (79%)



- Cyan (59%)
- Magenta (34%)
- Yellow (0%)
- Black (21%)



- Cyan (67%)
- Magenta (48%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.3612, 22.5586, 58.4340 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 22.3612, 22.5586, 58.4340 by changing the saturation by 10% instead.

■ 22.3612, 22.5586,
58.4340

■ 22.3612, 22.5586,
58.4340

257.0238,
265.4497, 436.4445

■ 14.2406, 14.2679,
41.7407

■ 46.8167, 47.6675,
104.0756

■ 8.3710, 8.3072,
28.5742

■ 63.8823, 65.2546,
133.8609

■ 4.3871, 4.2922,
18.5162

■ 84.6603, 86.7092,
168.8474

■ 1.9234, 1.8383,
11.1479

■ 109.5161,
112.4158, 209.4534

■ 0.5904, 0.5109,
6.0510

138.8150,
142.7587, 256.0976

■ 0.0000, 0.0000,
2.8068

172.9223,

■ 0.0000, 0.0000,

178.1224, 309.1985

0.9969

212.2035,
218.8913, 369.1746

■ 0.0000, 0.0000,
0.0000

■ 22.3612, 22.5586,
58.4340

■ 22.3612, 22.5586,
58.4340

■ 19.3330, 18.7634,
57.8615

■ 26.0847, 26.9795,
59.0915

■ 16.9457, 15.5561,
57.3683

■ 30.5470, 32.0559,
59.8362

■ 15.1401, 12.8973,
56.9502

■ 35.7906, 37.8181,
60.6720

■ 13.8228, 10.7288,
56.6011

■ 41.8539, 44.2937,
61.6024

■ 13.6715, 10.4746,
56.5600

■ 48.7728, 51.5084,
62.6303

■ 56.5808, 59.4867,
63.7587

■ 65.3095, 68.2518,
64.9905

■ 74.9892, 77.8260,
66.3283

■ 82.2950, 86.5017,
67.6179

Harmonies

Analogous

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



18.1073, 22.5586, 54.9285



22.3612, 22.5586, 58.4340



26.9500, 22.5586, 50.6047

Triad

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



22.3612, 22.5586, 58.4340



29.2429, 22.5586, 12.6703



14.4587, 22.5586, 15.7903

Complementary

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



22.3612, 22.5586, 58.4340



36.8783, 35.5005, 13.0935

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.



16.7395, 22.5586, 9.4595



22.3612, 22.5586, 58.4340



25.1613, 22.5586, 8.1499

Square

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



22.3612, 22.5586, 58.4340



31.2655, 22.5586, 22.0552



20.5469, 22.5586, 7.2250



13.9263, 22.5586, 27.2529

Rectangle

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



22.3612, 22.5586, 58.4340



29.4586, 22.5586, 41.2140



20.5469, 22.5586, 7.2250



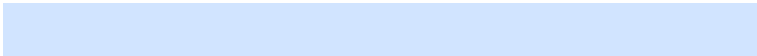
15.0291, 22.5586, 13.1361

Sweetspot

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



22.3620, 22.5594, 58.4346



72.1600, 76.3644, 105.5443



30.1088, 45.8746, 36.9034



14.7534, 15.6136, 22.4861



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.



22.3620, 22.5594, 58.4346



32.0758, 30.7879, 98.8598



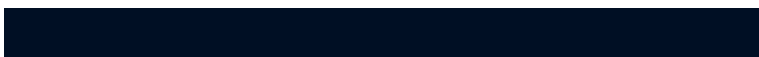
18.1344, 12.7234, 56.7588



10.4124, 10.9990, 13.4917



8.6818, 6.7575, 35.5911



0.4822, 0.4622, 1.7089

Inverse Universe

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



31.3463, 20.2711, 24.0910



49.4141, 28.7201, 32.0555



43.9765, 53.4964, 16.1930



10.8135, 10.7088, 12.0010



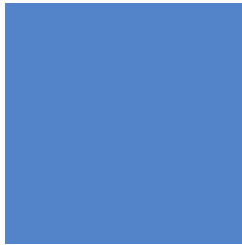
16.1815, 8.2222, 6.1657



0.8021, 0.4037, 0.4810

Previews

White Background



This preview shows how the XYZ color 22.3612, 22.5586, 58.4340 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 22.3612, 22.5586, 58.4340 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

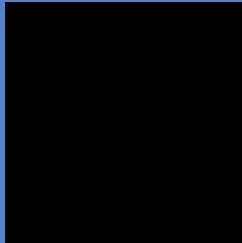
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.3612, 22.5586, 58.4340

Background



This preview shows how black text looks on a background with the XYZ color 22.3612, 22.5586, 58.4340.

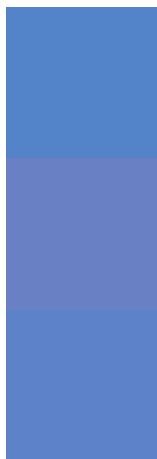


This preview shows how white text looks on a background with the XYZ color 22.3612, 22.5586,

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

22.3612, 22.5586, 58.4340

Protanopia

23.7411, 22.5337, 55.9215

Deuteranopia

23.0394, 22.5095, 58.3888



Tritanopia

17.4727, 22.7027, 33.5981

Trichromacy



Original Color

22.3612, 22.5586, 58.4340

Protanomaly

23.0803, 22.3744, 56.5283

Deuteranomaly

22.7787, 22.5735, 58.4149

Tritanomaly

18.8700, 22.3813, 41.3557

Monochromacy



Original Color

22.3612, 22.5586, 58.4340

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

19.8993, 21.0532, 33.1519

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.3612, 22.5586, 58.4340 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(83, 132, 201)` looks like.

```
.text, #text, p{  
    color:rgb(83, 132, 201)  
}
```

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(83, 132, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 132, 201) }
```

Border

The CSS property to change the border of an element to XYZ 22.3612, 22.5586, 58.4340 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(83, 132, 201) }
```


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

```
.border{ border-color:rgb(83, 132, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 132, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 132, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 132, 201);  
box-shadow:4px 4px 4px 4px rgb(83, 132,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 22.3612, 22.5586, 58.4340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 132, 201) }
```

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

```
.background{ background-color: rgb(83, 132,  
201) }
```

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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