

Converting Colors

XYZ(22.6655, 23.8628, 58.0558)

Have a look what the booklet for
XYZ(22.6655, 23.8628, 58.0558)
contains.

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Color

**XYZ(22.5954, 23.7237,
58.0318)**

Conversions

Conversions Part 1

Format	Color
Hex	4F89C8
RGB	79, 137, 200
RGB Percent	31%, 54%, 78%
CMY	0.6902, 0.4627, 0.2157
CMYK	0.60, 0.31, 0.00, 0.22
HSL	211°, 52%, 55%
HSV	211°, 60%, 78%
XYZ	22.5954, 23.7237, 58.0318
YIQ	126.8400, -54.7910, 7.2970

Conversions

Conversions Part 2

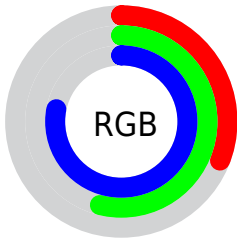
Format	Color
R _Y B	79, 118, 200
Decimal	5212616
CIE Lab	55.81, 0.21, -38.35
CIE LCh	56, 38.346, 270.319
Yxy	23.7237, 0.2165, 0.2273
Android (android.graphics.Color)	4283402696 (0xFF4F89C8)
YUV	126.8400, 36.0679, -41.9557
Hunter-Lab	48.7070, -2.4302, -36.5460

Details

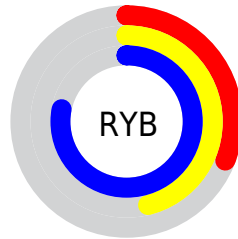
The XYZ color **22.5954, 23.7237, 58.0318** is a dark color, and the websafe version is hex **6699CC**. The color can be described as middle muted azure. A complement of this color would be **34.9048, 32.1915, 11.7722**, and the grayscale version is **20.0126, 21.0548, 22.9286**.

A 20% lighter version of the original color is **46.7800, 49.3653, 101.6706**, and **8.6780, 9.0548, 28.4845** is the 20% darker color. If you saturate the color by 10%, you get **19.7657, 20.1728, 57.4960**, and if you desaturate by 10%, it is **26.0701, 27.8200, 58.6398**.

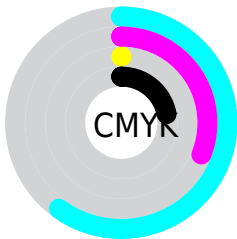
Distribution



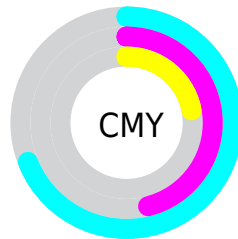
- Red (31%)
- Green (54%)
- Blue (78%)



- Red (31%)
- Yellow (46%)
- Blue (78%)



- Cyan (60%)
- Magenta (31%)
- Yellow (0%)
- Black (22%)



- Cyan (69%)
- Magenta (46%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.5954, 23.7237, 58.0318 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 22.5954, 23.7237, 58.0318 by changing the saturation by 10% instead.

■ 22.5954, 23.7237,
58.0318

■ 22.5954, 23.7237,
58.0318

258.2143,
271.4206, 434.9060

■ 14.4141, 15.1288,
41.4193

■ 47.1997, 49.5789,
103.4844

■ 8.4929, 8.9098,
28.3247

■ 64.3534, 67.6081,
133.1616

■ 4.4663, 4.6824,
18.3294

■ 85.2285, 89.5507,
168.0309

■ 1.9692, 2.0622,
11.0149

■ 110.1906,
115.7913, 208.5106

■ 0.6166, 0.6432,
5.9625

139.6048,
146.7141, 255.0195

■ 0.0000, 0.0000,
2.7539

173.8366,

■ 0.0000, 0.0000,

182.7037, 307.9760

0.9704

213.2513,
224.1444, 367.7986

■ 0.0000, 0.0000,
0.0000

■ 22.5954, 23.7237,
58.0318

■ 22.5954, 23.7237,
58.0318

■ 19.7657, 20.1728,
57.4960

■ 26.0701, 27.8200,
58.6398

■ 17.5279, 17.1327,
57.0272

■ 30.2317, 32.4879,
59.3215

■ 15.8235, 14.5676,
56.6219

■ 35.1213, 37.7545,
60.0803

■ 14.5960, 12.5114,
56.2897

■ 40.7759, 43.6442,
60.9191

■ 47.2298, 50.1797,
61.8404

■ 54.5150, 57.3826,
62.8468

■ 62.6618, 65.2733,
63.9404

■ 71.6989, 73.8713,
65.1237

■ 80.1640, 82.4274,
66.3290

Harmonies

Analogous

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



18.6484, 23.7237, 52.7968



22.5954, 23.7237, 58.0318



27.0493, 23.7237, 52.5817

Triad

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



22.5954, 23.7237, 58.0318



30.5840, 23.7237, 15.5107



16.0234, 23.7237, 15.6762

Complementary

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



22.5954, 23.7237, 58.0318



34.9048, 32.1915, 11.7722

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.



18.5772, 23.7237, 10.1585



22.5954, 23.7237, 58.0318



26.9581, 23.7237, 10.0868

Square

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



22.5954, 23.7237, 58.0318



32.0099, 23.7237, 25.6976



22.5020, 23.7237, 8.4965



15.1638, 23.7237, 25.9651

Rectangle

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



22.5954, 23.7237, 58.0318



29.6328, 23.7237, 44.3860



22.5020, 23.7237, 8.4965



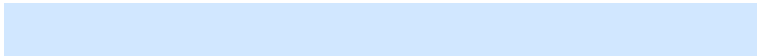
16.6944, 23.7237, 13.3372

Sweetspot

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



22.5963, 23.7245, 58.0324



72.9770, 77.9983, 105.8166



28.7259, 44.9100, 32.5571



14.9518, 16.0103, 22.5522



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.



22.5963, 23.7245, 58.0324



32.7335, 32.9595, 99.2443



16.6171, 11.5133, 55.9905



10.4691, 11.1123, 13.5106



9.3693, 8.1325, 35.8203



0.5161, 0.5299, 1.7202

Inverse Universe

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



31.1315, 19.6785, 25.8251



49.5370, 27.9691, 35.1699



45.3505, 53.8771, 15.4074



10.8421, 10.7202, 12.1515



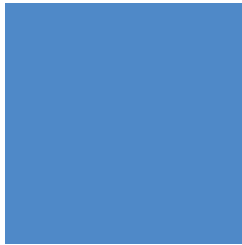
16.5285, 8.3610, 7.9929



0.8192, 0.4105, 0.5710

Previews

White Background



This preview shows how the XYZ color 22.5954, 23.7237, 58.0318 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 22.5954, 23.7237, 58.0318 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

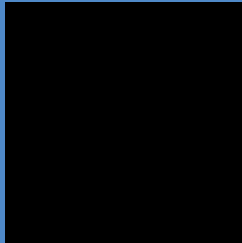
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.5954, 23.7237, 58.0318

Background



This preview shows how black text looks on a background with the XYZ color 22.5954, 23.7237, 58.0318.

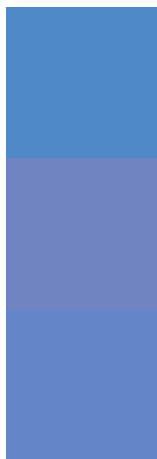


This preview shows how white text looks on a background with the XYZ color 22.5954, 23.7237,

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

22.5954, 23.7237, 58.0318

Protanopia

24.6487, 23.6175, 54.8893

Deuteranopia

24.2970, 23.7588, 58.5637



Tritanopia

18.0148, 23.6149, 35.5069

Trichromacy



Original Color

22.5954, 23.7237, 58.0318

Protanomaly

23.7211, 23.5156, 56.1121

Deuteranomaly

23.5819, 23.5944, 58.5696

Tritanomaly

19.4626, 23.5214, 43.0495

Monochromacy



Original Color

22.5954, 23.7237, 58.0318

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

20.3794, 21.8807, 33.7211

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.5954, 23.7237, 58.0318 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(79, 137, 200)` looks like.

```
.text, #text, p{  
    color:rgb(79, 137, 200)  
}
```

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(79, 137, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 137, 200) }
```

Border

The CSS property to change the border of an element to XYZ 22.5954, 23.7237, 58.0318 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(79, 137, 200) }
```


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

```
.border{ border-color:rgb(79, 137, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 137, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 137, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 137, 200);  
box-shadow:4px 4px 4px 4px rgb(79, 137,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 22.5954, 23.7237, 58.0318 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 137, 200) }
```

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

```
.background{ background-color: rgb(79, 137,  
200) }
```

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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