

Converting Colors

XYZ(22.8191, 23.8880, 38.4900)

Have a look what the booklet for
XYZ(22.8191, 23.8880, 38.4900)
contains.

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Color

**XYZ(22.8360, 23.8598,
38.5238)**

Conversions

Conversions Part 1

Format	Color
Hex	7687A4
RGB	118, 135, 164
RGB Percent	46%, 53%, 64%
CMY	0.5372, 0.4706, 0.3569
CMYK	0.28, 0.18, 0.00, 0.36
HSL	218°, 20%, 55%
HSV	218°, 28%, 64%
XYZ	22.8360, 23.8598, 38.5238
YIQ	133.2230, -19.4410, 5.4150

Conversions

Conversions Part 2

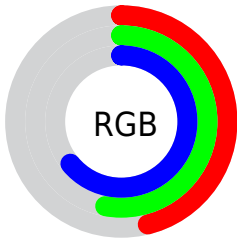
Format	Color
R_{YB}	118, 130, 164
Decimal	7767972
CIE _{Lab}	55.95, 0.72, -17.41
CIE _{LCh}	56, 17.423, 272.363
Yxy	23.8598, 0.2680, 0.2800
Android (android.graphics.Color)	4285958052 (0xFF7687A4)
YUV	133.2230, 15.1731, -13.3506
Hunter-Lab	48.8465, -2.0317, -12.5677

Details

The XYZ color **22.8360, 23.8598, 38.5238** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **29.0139, 30.0682, 21.4147**, and the grayscale version is **22.3276, 23.4904, 25.5810**.

A 20% lighter version of the original color is **47.5640, 49.7388, 74.1115**, and **8.5570, 8.8958, 16.5953** is the 20% darker color. If you saturate the color by 10%, you get **19.4265, 20.0642, 37.9713**, and if you desaturate by 10%, it is **26.7743, 28.1371, 39.1422**.

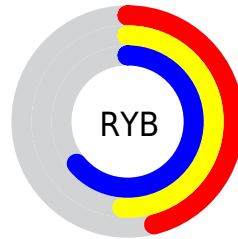
Distribution



Red (46%)

Green (53%)

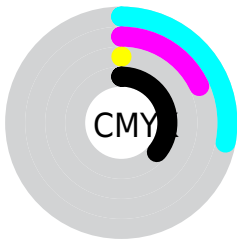
Blue (64%)



Red (46%)

Yellow (51%)

Blue (64%)

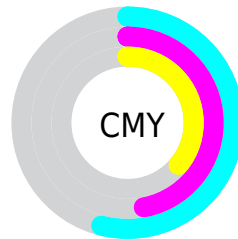


Cyan (28%)

Magenta (18%)

Yellow (0%)

Black (36%)



Cyan (54%)

Magenta (47%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.8360, 23.8598, 38.5238 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 22.8360, 23.8598, 38.5238 by changing the saturation by 10% instead.

■ 22.8360, 23.8598,
38.5238

■ 22.8360, 23.8598,
38.5238

259.4326,
272.1109, 355.2270

■ 14.5925, 15.2297,
26.0845

■ 47.5925, 49.8013,
74.1226

■ 8.6183, 8.9807,
16.6605

■ 64.8363, 67.8815,
98.1192

■ 4.5482, 4.7286,
9.8334

■ 85.8108, 89.8804,
126.8052

■ 2.0167, 2.0889,
5.1845

110.8815,
116.1826, 160.5993

■ 0.6433, 0.6584,
2.2953

140.4136,
147.1723, 199.9200

■ 0.0000, 0.0000,
0.7286

174.7726,

■ 0.0000, 0.0000,

183.2340, 245.1858

0.0000

214.3239,
224.7521, 296.8153

■ 22.8360, 23.8598,
38.5238

■ 22.8360, 23.8598,
38.5238

■ 19.4265, 20.0642,
37.9713

■ 26.7743, 28.1371,
39.1422

■ 16.5196, 16.7292,
37.4808

■ 31.2616, 32.9105,
39.8271

■ 14.0901, 13.8362,
37.0504

■ 36.3197, 38.1973,
40.5809

■ 12.1093, 11.3640,
36.6776

■ 41.9686, 44.0129,
41.4057

■ 10.5455, 9.2893,
36.3596

■ 48.2271, 50.3722,
42.3034

■ 9.3619, 7.5861,
36.0932

■ 55.1132, 57.2893,
43.2756

■ 8.4981, 6.2153,
35.8742

■ 62.6444, 64.7781,
44.3241

■ 8.3491, 5.9767,
35.8360

■ 70.8372, 72.8516,
45.4506

■ 75.6986, 79.4558,
46.4691

Harmonies

Analogous

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



20.9508, 23.8598, 36.9341



22.8360, 23.8598, 38.5238



24.7862, 23.8598, 36.3664

Triad

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



22.8360, 23.8598, 38.5238



26.0623, 23.8598, 20.5490



19.4575, 23.8598, 21.2250

Complementary

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



22.8360, 23.8598, 38.5238



29.0139, 30.0682, 21.4147

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.



20.6929, 23.8598, 17.7863



22.8360, 23.8598, 38.5238



24.4977, 23.8598, 17.4379

Square

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



22.8360, 23.8598, 38.5238



26.7156, 23.8598, 25.5305



22.5208, 23.8598, 16.5047



19.0693, 23.8598, 26.4333

Rectangle

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



22.8360, 23.8598, 38.5238



25.8416, 23.8598, 33.2539



22.5208, 23.8598, 16.5047



19.7838, 23.8598, 19.8514

Sweetspot

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



22.8368, 23.8608, 38.5243



56.6558, 59.6440, 72.2787



25.9641, 32.4897, 32.2472



12.1148, 12.7529, 15.7606



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



22.8368, 23.8608, 38.5243



37.2670, 38.6725, 69.2527



21.4008, 19.8759, 37.8309



6.9049, 7.2688, 8.9422



6.4440, 4.6675, 27.4911



0.1796, 0.1864, 0.5924

Inverse Universe

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



26.1621, 22.5993, 25.9059



44.4646, 36.3238, 41.8545



30.7714, 35.1929, 22.3113



7.1770, 7.1272, 7.9183



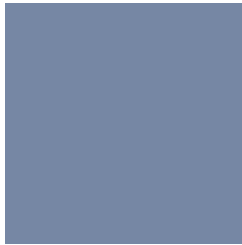
12.3981, 6.3153, 4.0211



0.2828, 0.1416, 0.2019

Previews

White Background



This preview shows how the XYZ color 22.8360, 23.8598, 38.5238 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 22.8360, 23.8598, 38.5238 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

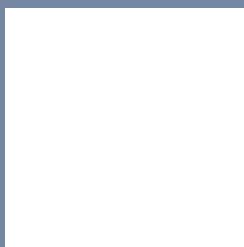
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.8360, 23.8598, 38.5238

Background



This preview shows how black text looks on a background with the XYZ color 22.8360, 23.8598, 38.5238.

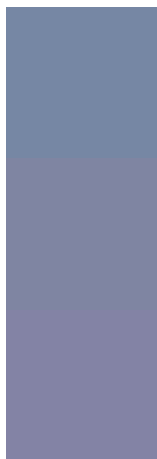


This preview shows how white text looks on a background with the XYZ color 22.8360, 23.8598,

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

22.8360, 23.8598, 38.5238

Protanopia

23.6615, 23.8957, 37.5477

Deuteranopia

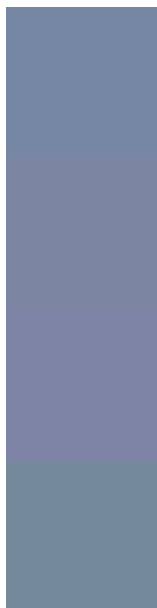
24.2679, 23.7745, 38.9072



Tritanopia

21.5835, 23.9917, 31.9271

Trichromacy



Original Color

22.8360, 23.8598, 38.5238

Protanomaly

23.4481, 23.9796, 38.0430

Deuteranomaly

23.6470, 23.6548, 38.9168

Tritanomaly

21.9809, 23.9374, 34.0337

Monochromacy



Original Color

22.8360, 23.8598, 38.5238

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

22.4612, 23.6530, 29.7672

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.8360, 23.8598, 38.5238 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(118, 135, 164)` looks like.

```
.text, #text, p{  
    color:rgb(118, 135, 164)  
}
```

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(118, 135, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 135, 164) }
```

Border

The CSS property to change the border of an element to XYZ 22.8360, 23.8598, 38.5238 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(118, 135, 164) }
```


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

```
.border{ border-color:rgb(118, 135, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 135, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 135, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 135, 164);  
box-shadow:4px 4px 4px 4px rgb(118, 135,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 22.8360, 23.8598, 38.5238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 135, 164) }
```

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

```
.background{ background-color: rgb(118,  
135, 164) }
```

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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