

Converting Colors

XYZ(20.3602, 22.8189, 39.2877)

Have a look what the booklet for
XYZ(20.3602, 22.8189, 39.2877)
contains.

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Color

**XYZ(20.3032, 22.7412,
39.3958)**

Conversions

Conversions Part 1

Format	Color
Hex	5E88A6
RGB	94, 136, 166
RGB Percent	37%, 53%, 65%
CMY	0.6314, 0.4667, 0.3490
CMYK	0.43, 0.18, 0.00, 0.35
HSL	205°, 29%, 51%
HSV	205°, 43%, 65%
XYZ	20.3032, 22.7412, 39.3958
YIQ	126.8620, -34.6620, 0.4260

Conversions

Conversions Part 2

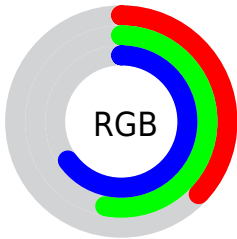
Format	Color
R _Y B	94, 121, 166
Decimal	6195366
CIE Lab	54.80, -6.30, -20.44
CIE LCh	55, 21.387, 252.861
Yxy	22.7412, 0.2463, 0.2759
Android (android.graphics.Color)	4284385446 (0xFF5E88A6)
YUV	126.8620, 19.2950, -28.8200
Hunter-Lab	47.6877, -7.4566, -15.5993

Details

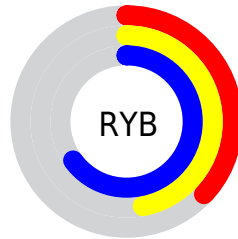
The XYZ color **20.3032, 22.7412, 39.3958** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **24.9544, 23.3310, 13.7785**, and the grayscale version is **20.0705, 21.1158, 22.9951**.

A 20% lighter version of the original color is **43.2814, 47.8187, 75.3554**, and **7.2795, 8.3419, 17.1461** is the 20% darker color. If you saturate the color by 10%, you get **17.8378, 20.0710, 39.0107**, and if you desaturate by 10%, it is **23.1990, 25.7276, 39.8200**.

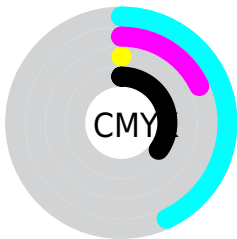
Distribution



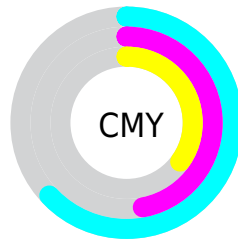
- Red (37%)
- Green (53%)
- Blue (65%)



- Red (37%)
- Yellow (47%)
- Blue (65%)



- Cyan (43%)
- Magenta (18%)
- Yellow (0%)
- Black (35%)



- Cyan (63%)
- Magenta (47%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3032, 22.7412, 39.3958 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 20.3032, 22.7412, 39.3958 by changing the saturation by 10% instead.

■ 20.3032, 22.7412,
39.3958

■ 20.3032, 22.7412,
39.3958

246.3542,
266.3929, 359.0464

■ 12.7252, 14.4025,
26.7576

■ 43.4250, 47.9680,
75.4696

■ 7.3153, 8.4012,
17.1604

■ 59.6995, 65.6250,
99.7422

■ 3.7081, 4.3527,
10.1858

■ 79.6035, 87.1568,
128.7300

■ 1.5384, 1.8727,
5.4151

■ 103.5025,
112.9479, 162.8516

■ 0.3517, 0.5319,
2.4298

131.7617,
143.3827, 202.5255

■ 0.0000, 0.0000,
0.8026

164.7464,

■ 0.0000, 0.0000,

178.8455, 248.1703

0.0000

202.8222,
219.7208, 300.2044

■ 20.3032, 22.7412,
39.3958

■ 20.3032, 22.7412,
39.3958

■ 17.8378, 20.0710,
39.0107

■ 23.1990, 25.7276,
39.8200

■ 15.7757, 17.6998,
38.6617

■ 26.5459, 29.0411,
40.2832

■ 14.0901, 15.6124,
38.3477

■ 30.3654, 32.6950,
40.7871

■ 12.7492, 13.7907,
38.0667

■ 34.6773, 36.7009,
41.3331

■ 11.7156, 12.2134,
37.8168

■ 39.5000, 41.0701,
41.9223

■ 11.1425, 11.2722,
37.6653

■ 44.8510, 45.8131,
42.5557

■ 50.7469, 50.9398,
43.2345

■ 57.2037, 56.4601,
43.9597

■ 64.2364, 62.3831,
44.7323

Harmonies

Analogous

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



18.4521, 22.7412, 34.7108



20.3032, 22.7412, 39.3958



22.6422, 22.7412, 39.7394

Triad

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



20.3032, 22.7412, 39.3958



26.3546, 22.7412, 21.9759



18.6688, 22.7412, 16.3945

Complementary

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



20.3032, 22.7412, 39.3958



24.9544, 23.3310, 13.7785

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.



20.6190, 22.7412, 14.1173



20.3032, 22.7412, 39.3958



25.1197, 22.7412, 16.9218

Square

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



20.3032, 22.7412, 39.3958



26.2545, 22.7412, 28.7978



22.9818, 22.7412, 14.2909



17.5567, 22.7412, 21.1208

Rectangle

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



20.3032, 22.7412, 39.3958



24.1755, 22.7412, 37.3807



22.9818, 22.7412, 14.2909



19.2417, 22.7412, 15.3594

Sweetspot

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



20.3039, 22.7421, 39.3963



55.2059, 59.4282, 74.0364



21.8156, 31.0777, 23.5229



12.0045, 12.9687, 16.5226



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



20.3039, 22.7421, 39.3963



32.5405, 36.6124, 70.8271



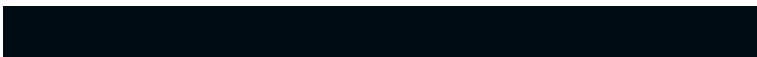
16.1728, 14.4799, 38.0193



7.4816, 8.0002, 9.5682



8.6873, 8.8347, 29.2229



0.2601, 0.3125, 0.7273

Inverse Universe

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



24.1732, 17.8907, 25.4727



40.7311, 27.5164, 41.0898



30.1105, 33.6432, 15.4972



7.7077, 7.6129, 8.7779



13.8855, 6.9629, 9.4747



0.3624, 0.1793, 0.3601

Previews

White Background



This preview shows how the XYZ color 20.3032, 22.7412, 39.3958 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 20.3032, 22.7412, 39.3958 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

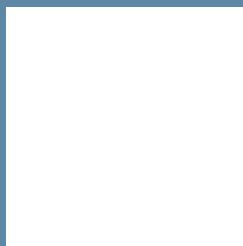
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.3032, 22.7412, 39.3958

Background



This preview shows how black text looks on a background with the XYZ color 20.3032, 22.7412, 39.3958.

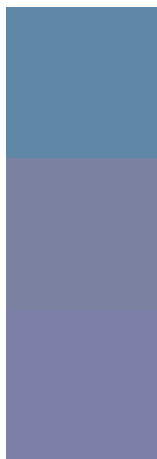


This preview shows how white text looks on a background with the XYZ color 20.3032, 22.7412,

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

20.3032, 22.7412, 39.3958

Protanopia

22.4517, 22.4847, 36.8749

Deuteranopia

23.0992, 22.5506, 40.1810



Tritanopia

18.8575, 22.7911, 32.2594

Trichromacy



Original Color

20.3032, 22.7412, 39.3958

Protanomaly

21.5442, 22.5916, 37.8754

Deuteranomaly

21.9014, 22.5333, 39.7543

Tritanomaly

19.4036, 22.8014, 34.8309

Monochromacy



Original Color

20.3032, 22.7412, 39.3958

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

19.8606, 21.5332, 28.3089

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3032, 22.7412, 39.3958 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(94, 136, 166)` looks like.

```
.text, #text, p{  
    color:rgb(94, 136, 166)  
}
```

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(94, 136, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 136, 166) }
```

Border

The CSS property to change the border of an element to XYZ 20.3032, 22.7412, 39.3958 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(94, 136, 166) }
```


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

```
.border{ border-color:rgb(94, 136, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 136, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(94, 136, 166); -webkit-box-shadow:4px 4px 4px 4px rgb(94, 136, 166); box-shadow:4px 4px 4px 4px rgb(94, 136, 166) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3032, 22.7412, 39.3958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 136, 166) }
```

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

```
.background{ background-color: rgb(94, 136,  
166) }
```

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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