

Converting Colors

XYZ(19.9679, 22.0628, 38.8049)

Have a look what the booklet for
XYZ(19.9679, 22.0628, 38.8049)
contains.

XYZ(20.0359, 22.1997, 38.8263)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(20.0359, 22.1997,
38.8263)**

Conversions

Conversions Part 1

Format	Color
Hex	5F86A5
RGB	95, 134, 165
RGB Percent	37%, 53%, 65%
CMY	0.6274, 0.4745, 0.3529
CMYK	0.42, 0.19, 0.00, 0.35
HSL	207°, 28%, 51%
HSV	207°, 42%, 65%
XYZ	20.0359, 22.1997, 38.8263
YIQ	125.8730, -33.1950, 1.3730

Conversions

Conversions Part 2

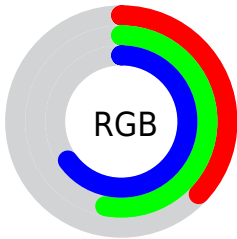
Format	Color
R _Y B	95, 120, 165
Decimal	6260389
CIE Lab	54.24, -5.18, -20.72
CIE LCh	54, 21.361, 255.971
Yxy	22.1997, 0.2472, 0.2739
Android (android.graphics.Color)	4284450469 (0xFF5F86A5)
YUV	125.8730, 19.2896, -27.0756
Hunter-Lab	47.1166, -6.5484, -15.8762

Details

The XYZ color **20.0359, 22.1997, 38.8263** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **25.0439, 23.7476, 14.0909**, and the grayscale version is **19.7333, 20.7610, 22.6087**.

A 20% lighter version of the original color is **42.9013, 47.0039, 74.5217**, and **7.2254, 8.2028, 16.8253** is the 20% darker color. If you saturate the color by 10%, you get **17.5249, 19.4578, 38.4298**, and if you desaturate by 10%, it is **22.9811, 25.2700, 39.2641**.

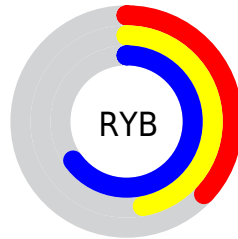
Distribution



Red (37%)

Green (53%)

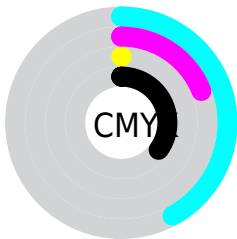
Blue (65%)



Red (37%)

Yellow (47%)

Blue (65%)

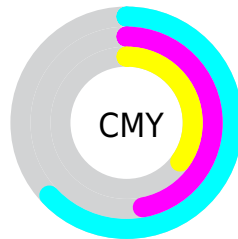


Cyan (42%)

Magenta (19%)

Yellow (0%)

Black (35%)



Cyan (63%)

Magenta (47%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.0359, 22.1997, 38.8263 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 20.0359, 22.1997, 38.8263 by changing the saturation by 10% instead.

■ 20.0359, 22.1997,
38.8263

■ 20.0359, 22.1997,
38.8263

244.9393,
263.5874, 356.5553

■ 12.5296, 14.0037,
26.3178

■ 42.9808, 47.0758,
74.5903

■ 7.1802, 8.1232,
16.8337

■ 59.1502, 64.5248,
98.6829

■ 3.6224, 4.1739,
9.9553

■ 78.9378, 85.8268,
127.4740

■ 1.4908, 1.7713,
5.2641

■ 102.7093,
111.3664, 161.3821

■ 0.3196, 0.4692,
2.3416

130.8297,
141.5278, 200.8257

■ 0.0000, 0.0000,
0.7544

163.6647,

■ 0.0000, 0.0000,

176.6955, 246.2235

0.0000

201.5794,
217.2539, 297.9938

■ 20.0359, 22.1997,
38.8263

■ 20.0359, 22.1997,
38.8263

■ 17.5249, 19.4578,
38.4298

■ 22.9811, 25.2700,
39.2641

■ 15.4215, 17.0272,
38.0715

■ 26.3810, 28.6798,
39.7431

■ 13.6992, 14.8923,
37.7502

■ 30.2568, 32.4425,
40.2651

■ 12.3270, 13.0352,
37.4641

■ 34.6283, 36.5703,
40.8314

■ 11.2684, 11.4345,
37.2109

■ 39.5135, 41.0743,
41.4433

■ 10.6128, 10.3590,
37.0379

■ 44.9300, 45.9653,
42.1019

■ 50.8941, 51.2535,
42.8082

■ 57.4216, 56.9489,
43.5635

■ 64.5277, 63.0609,
44.3687

Harmonies

Analogous

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



18.1457, 22.1997, 34.5842



20.0359, 22.1997, 38.8263



22.3531, 22.1997, 38.6725

Triad

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



20.0359, 22.1997, 38.8263



25.6919, 22.1997, 20.8201



18.0490, 22.1997, 16.3269

Complementary

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



20.0359, 22.1997, 38.8263



25.0439, 23.7476, 14.0909

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.



19.8949, 22.1997, 13.8418



20.0359, 22.1997, 38.8263



24.3590, 22.1997, 16.0920

Square

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



20.0359, 22.1997, 38.8263



25.7367, 22.1997, 27.4068



22.2014, 22.1997, 13.7645



17.0569, 22.1997, 21.2017

Rectangle

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



20.0359, 22.1997, 38.8263



23.8338, 22.1997, 36.0719



22.2014, 22.1997, 13.7645



18.5839, 22.1997, 15.2271

Sweetspot

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



20.0366, 22.2005, 38.8268



53.5887, 57.5282, 72.0319



21.8980, 30.8329, 24.3117



11.3825, 12.2564, 15.7033



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.



20.0366, 22.2005, 38.8268



31.5879, 35.0740, 68.8574



16.0367, 14.2007, 37.4935



7.0123, 7.4837, 8.9780



8.0790, 7.9374, 28.0360



0.2159, 0.2591, 0.6045

Inverse Universe

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



23.9129, 17.9056, 24.7509



39.7039, 27.1675, 39.1424



30.2118, 34.0834, 15.8135



7.2312, 7.1489, 8.2039



13.2234, 6.6454, 8.3669



0.3011, 0.1490, 0.2985

Previews

White Background



This preview shows how the XYZ color 20.0359, 22.1997, 38.8263 looks on a white background.

Color Contrast Check

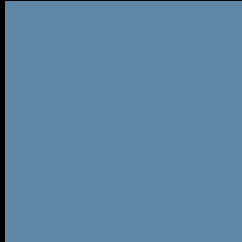
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.0359, 22.1997, 38.8263 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

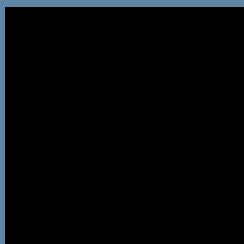
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

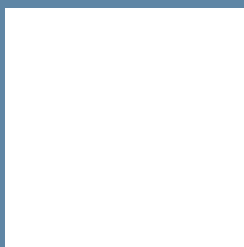
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.0359, 22.1997, 38.8263

Background



This preview shows how black text looks on a background with the XYZ color 20.0359, 22.1997, 38.8263.

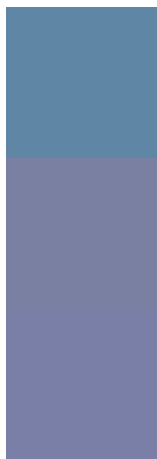


This preview shows how white text looks on a background with the XYZ color 20.0359, 22.1997,

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

20.0359, 22.1997, 38.8263

Protanopia

22.0374, 22.0765, 36.8179

Deuteranopia

22.5905, 22.1063, 39.6355



Tritanopia

18.5074, 22.2031, 31.3272

Trichromacy



Original Color

20.0359, 22.1997, 38.8263

Protanomaly

21.1863, 22.0186, 37.3158

Deuteranomaly

21.5477, 22.1632, 39.2186

Tritanomaly

19.0505, 22.2167, 33.8560

Monochromacy



Original Color

20.0359, 22.1997, 38.8263

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

19.6541, 21.2388, 27.8746

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0359, 22.1997, 38.8263 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(95, 134, 165) looks like.

```
.text, #text, p{  
    color:rgb(95, 134, 165)  
}
```

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(95, 134, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 134, 165) }
```

Border

The CSS property to change the border of an element to XYZ 20.0359, 22.1997, 38.8263 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(95, 134, 165) }
```


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

```
.border{ border-color:rgb(95, 134, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 134, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 134, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 134, 165);  
box-shadow:4px 4px 4px 4px rgb(95, 134,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 20.0359, 22.1997, 38.8263 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 134, 165) }
```

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

```
.background{ background-color: rgb(95, 134,  
165) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor