

Converting Colors

XYZ(20.3846, 22.0843, 39.2704)

Have a look what the booklet for
XYZ(20.3846, 22.0843, 39.2704)
contains.

XYZ(20.4161, 22.1809, 39.2817)	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(20.4161, 22.1809,
39.2817)**

Conversions

Conversions Part 1

Format	Color
Hex	6385A6
RGB	99, 133, 166
RGB Percent	39%, 52%, 65%
CMY	0.6118, 0.4784, 0.3490
CMYK	0.40, 0.20, 0.00, 0.35
HSL	210°, 27%, 52%
HSV	210°, 40%, 65%
XYZ	20.4161, 22.1809, 39.2817
YIQ	126.5960, -30.8570, 3.0550

Conversions

Conversions Part 2

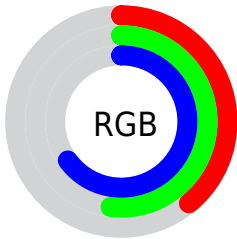
Format	Color
R _Y B	99, 122, 166
Decimal	6522278
CIE Lab	54.22, -3.22, -21.31
CIE LCh	54, 21.553, 261.402
Yxy	22.1809, 0.2493, 0.2709
Android (android.graphics.Color)	4284712358 (0xFF6385A6)
YUV	126.5960, 19.4262, -24.2017
Hunter-Lab	47.0966, -5.0404, -16.4842

Details

The XYZ color **20.4161, 22.1809, 39.2817** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **26.2299, 25.5110, 15.3469**, and the grayscale version is **19.9783, 21.0187, 22.8893**.

A 20% lighter version of the original color is **43.5589, 47.0137, 75.1854**, and **7.3799, 8.1599, 17.1056** is the 20% darker color. If you saturate the color by 10%, you get **17.7095, 19.1885, 38.8472**, and if you desaturate by 10%, it is **23.5841, 25.5415, 39.7638**.

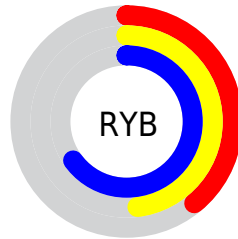
Distribution



Red (39%)

Green (52%)

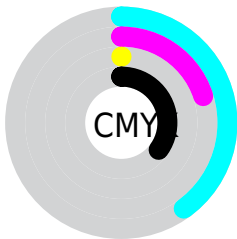
Blue (65%)



Red (39%)

Yellow (48%)

Blue (65%)

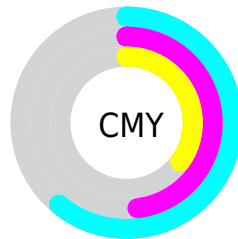


Cyan (40%)

Magenta (20%)

Yellow (0%)

Black (35%)



Cyan (61%)

Magenta (48%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.4161, 22.1809, 39.2817 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 20.4161, 22.1809, 39.2817 by changing the saturation by 10% instead.

■ 20.4161, 22.1809,
39.2817

■ 20.4161, 22.1809,
39.2817

■ 246.9498,
263.4895, 358.5483

■ 12.8079, 13.9899,
26.6694

■ 43.6124, 47.0448,
75.2935

■ 7.3725, 8.1136,
17.0949

■ 59.9311, 64.4865,
99.5302

■ 3.7445, 4.1677,
10.1395

■ 79.8841, 85.7805,
128.4787

■ 1.5586, 1.7678,
5.3847

■ 103.8366,
111.3113, 162.5576

■ 0.3652, 0.4670,
2.4121

■ 132.1541,
141.4631, 202.1855

■ 0.0000, 0.0000,
0.7930

■ 165.2019,

■ 0.0000, 0.0000,

176.6205, 247.7809

0.0000

203.3453,
217.1679, 299.7623

■ 20.4161, 22.1809,
39.2817

■ 20.4161, 22.1809,
39.2817

■ 17.7095, 19.1885,
38.8472

■ 23.5841, 25.5415,
39.7638

■ 15.4371, 16.5458,
38.4568

■ 27.2342, 29.2824,
40.2935

■ 13.5722, 14.2366,
38.1094

■ 31.3886, 33.4182,
40.8728

■ 12.0834, 12.2416,
37.8028

■ 36.0671, 37.9618,
41.5032

■ 10.9345, 10.5388,
37.5347

■ 41.2887, 42.9256,
42.1861

■ 10.0720, 9.1312,
37.3084

■ 47.0712, 48.3212,
42.9228

■ 53.4317, 54.1600,
43.7146

■ 60.3863, 60.4526,
44.5626

■ 67.9508, 67.2095,
45.4681

Harmonies

Analogous

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



18.3955, 22.1809, 35.6998



20.4161, 22.1809, 39.2817



22.7689, 22.1809, 38.2610

Triad

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



20.4161, 22.1809, 39.2817



25.5597, 22.1809, 19.7435



17.7546, 22.1809, 16.9650

Complementary

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



20.4161, 22.1809, 39.2817



26.2299, 25.5110, 15.3469

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.



19.4811, 22.1809, 14.0225



20.4161, 22.1809, 39.2817



24.0187, 22.1809, 15.4079

Square

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



20.4161, 22.1809, 39.2817



25.8564, 22.1809, 26.1314



21.7628, 22.1809, 13.5107



16.9352, 22.1809, 22.2738

Rectangle

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



20.4161, 22.1809, 39.2817



24.2033, 22.1809, 35.1759



21.7628, 22.1809, 13.5107



18.2418, 22.1809, 15.7105

Sweetspot

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



20.4168, 22.1817, 39.2822



55.4908, 59.1963, 73.9766



22.9052, 31.5747, 26.4973



12.2024, 13.0340, 16.5248



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.



20.4168, 22.1817, 39.2822



32.8114, 35.5817, 70.6139



16.5977, 14.5434, 38.0092



7.4346, 7.9062, 9.5525



7.8571, 7.1745, 28.9462



0.2422, 0.2767, 0.7213

Inverse Universe

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



24.4220, 18.7249, 24.5182



41.2516, 29.1942, 39.3005



31.4126, 35.8765, 17.0745



7.6840, 7.6035, 8.6531



13.4665, 6.7953, 7.2682



0.3534, 0.1756, 0.3126

Previews

White Background



This preview shows how the XYZ color 20.4161, 22.1809, 39.2817 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 20.4161, 22.1809, 39.2817 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

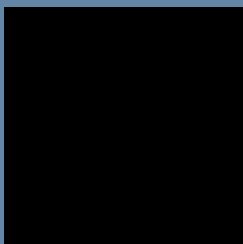
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

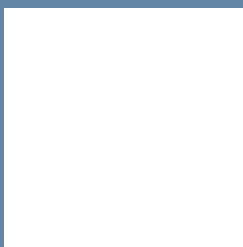
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.4161, 22.1809, 39.2817

Background



This preview shows how black text looks on a background with the XYZ color 20.4161, 22.1809, 39.2817.

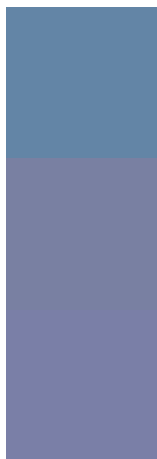


This preview shows how white text looks on a background with the XYZ color 20.4161, 22.1809,

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

20.4161, 22.1809, 39.2817

Protanopia

22.1259, 22.1119, 37.2843

Deuteranopia

22.5905, 22.1063, 39.6355



Tritanopia

18.6867, 22.0946, 30.8835

Trichromacy



Original Color

20.4161, 22.1809, 39.2817

Protanomaly

21.4035, 22.1203, 37.7919

Deuteranomaly

21.7647, 22.0679, 39.6716

Tritanomaly

19.3206, 22.1478, 33.8285

Monochromacy



Original Color

20.4161, 22.1809, 39.2817

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

19.9941, 21.4055, 28.2772

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4161, 22.1809, 39.2817 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(99, 133, 166)` looks like.

```
.text, #text, p{  
    color:rgb(99, 133, 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(99, 133, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 133, 166) }
```

Border

The CSS property to change the border of an element to XYZ 20.4161, 22.1809, 39.2817 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(99, 133, 166) }
```


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

```
.border{ border-color:rgb(99, 133, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 133, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 133, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 133, 166);  
box-shadow:4px 4px 4px 4px rgb(99, 133,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4161, 22.1809, 39.2817 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 133, 166) }
```

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

```
.background{ background-color: rgb(99, 133,  
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](#).

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