

Converting Colors

XYZ(20.0977, 21.8355, 38.2774)

Have a look what the booklet for
XYZ(20.0977, 21.8355, 38.2774)
contains.

XYZ(20.0977, 21.8355, 38.2774)	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(20.0977, 21.8355,
38.2774)**

Conversions

Conversions Part 1

Format	Color
Hex	6384A4
RGB	99, 132, 164
RGB Percent	39%, 52%, 64%
CMY	0.6118, 0.4823, 0.3569
CMYK	0.40, 0.20, 0.00, 0.36
HSL	210°, 26%, 52%
HSV	210°, 40%, 64%
XYZ	20.0977, 21.8355, 38.2774
YIQ	125.7810, -29.9400, 2.9560

Conversions

Conversions Part 2

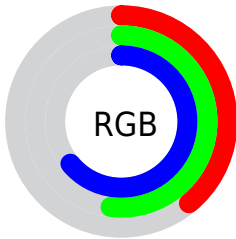
Format	Color
R_{YB}	99, 121, 164
Decimal	6522020
CIE _{Lab}	53.85, -3.21, -20.72
CIE _{LCh}	54, 20.966, 261.199
Yxy	21.8355, 0.2506, 0.2722
Android (android.graphics.Color)	4284712100 (0xFF6384A4)
YUV	125.7810, 18.8420, -23.4869
Hunter-Lab	46.7285, -5.0028, -15.8572

Details

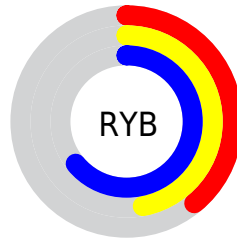
The XYZ color **20.0977, 21.8355, 38.2774** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **25.6788, 25.0265, 15.2823**, and the grayscale version is **19.7028, 20.7289, 22.5738**.

A 20% lighter version of the original color is **43.0840, 46.4878, 73.7201**, and **7.2368, 7.9847, 16.4890** is the 20% darker color. If you saturate the color by 10%, you get **17.4320, 18.8987, 37.8514**, and if you desaturate by 10%, it is **23.2135, 25.1310, 38.7497**.

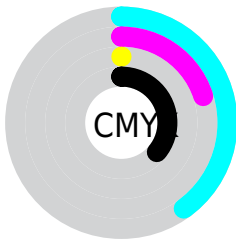
Distribution



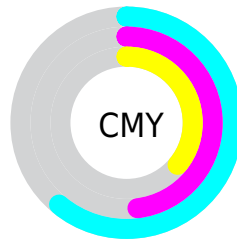
- Red (39%)
- Green (52%)
- Blue (64%)



- Red (39%)
- Yellow (47%)
- Blue (64%)



- Cyan (40%)
- Magenta (20%)
- Yellow (0%)
- Black (36%)



- Cyan (61%)
- Magenta (48%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.0977, 21.8355, 38.2774 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 20.0977, 21.8355, 38.2774 by changing the saturation by 10% instead.

■ 20.0977, 21.8355,
38.2774

■ 20.0977, 21.8355,
38.2774

245.2670,
261.6860, 354.1423

■ 12.5748, 13.7361,
25.8946

■ 43.0836, 46.4740,
73.7413

■ 7.2114, 7.9373,
16.5197

■ 59.2773, 63.7818,
97.6593

■ 3.6421, 4.0549,
9.7343

■ 79.0920, 84.9279,
126.2596

■ 1.5017, 1.7043,
5.1199

■ 102.8929,
110.2966, 159.9606

■ 0.3270, 0.4264,
2.2578

131.0455,
140.2724, 199.1808

■ 0.0000, 0.0000,
0.7074

163.9152,

■ 0.0000, 0.0000,

175.2396, 244.3388

0.0000

201.8672,
215.5827, 295.8531

■ 20.0977, 21.8355,
38.2774

■ 20.0977, 21.8355,
38.2774

■ 17.4320, 18.8987,
37.8514

■ 23.2135, 25.1310,
38.7497

■ 15.1900, 16.3030,
37.4686

■ 26.7993, 28.7969,
39.2683

■ 13.3461, 14.0324,
37.1275

■ 30.8765, 32.8473,
39.8352

■ 11.8702, 12.0687,
36.8262

■ 35.4643, 37.2947,
40.4518

■ 10.7276, 10.3905,
36.5625

■ 40.5811, 42.1511,
41.1195

■ 9.8447, 8.9567,
36.3323

■ 46.2439, 47.4277,
41.8395

■ 9.8143, 8.9072,
36.3244

■ 52.4694, 53.1355,
42.6131

■ 59.2733, 59.2848,
43.4415

■ 66.6707, 65.8858,
44.3257

Harmonies

Analogous

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



18.1541, 21.8355, 34.8238



20.0977, 21.8355, 38.2774



22.3616, 21.8355, 37.3319

Triad

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



20.0977, 21.8355, 38.2774



25.0642, 21.8355, 19.5619



17.5553, 21.8355, 16.8126

Complementary

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



20.0977, 21.8355, 38.2774



25.6788, 25.0265, 15.2823

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.



19.2254, 21.8355, 13.9761



20.0977, 21.8355, 38.2774



23.5909, 21.8355, 15.3520

Square

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



20.0977, 21.8355, 38.2774



25.3400, 21.8355, 25.7259



21.4244, 21.8355, 13.4947



16.7576, 21.8355, 21.9256

Rectangle

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



20.0977, 21.8355, 38.2774



23.7427, 21.8355, 34.3948



21.4244, 21.8355, 13.4947



18.0273, 21.8355, 15.6030

Sweetspot

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



20.0984, 21.8363, 38.2779



54.0387, 57.6480, 72.0314



22.4790, 30.8270, 26.0322



11.6135, 12.4048, 15.7198



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.



20.0984, 21.8363, 38.2779



31.9682, 34.6718, 68.7598



16.4123, 14.4641, 37.0492



6.9838, 7.4265, 8.9684



7.5729, 6.9252, 27.8674



0.2063, 0.2399, 0.6013

Inverse Universe

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



23.9372, 18.4829, 24.1365



40.1797, 28.4444, 38.2977



30.6449, 34.9586, 16.9377



7.2168, 7.1432, 8.1280



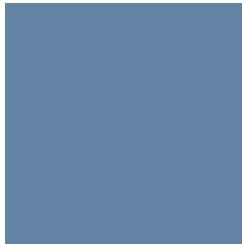
12.9679, 6.5432, 7.0217



0.2963, 0.1470, 0.2730

Previews

White Background



This preview shows how the XYZ color 20.0977, 21.8355, 38.2774 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 20.0977, 21.8355, 38.2774 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

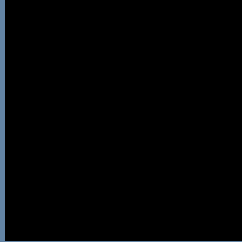
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

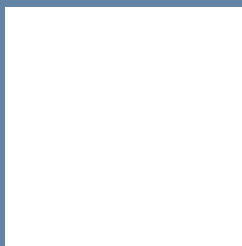
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.0977, 21.8355, 38.2774

Background



This preview shows how black text looks on a background with the XYZ color 20.0977, 21.8355, 38.2774.

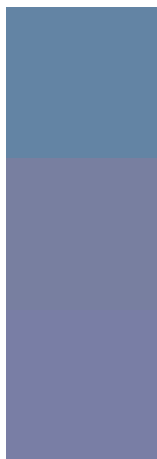


This preview shows how white text looks on a background with the XYZ color 20.0977, 21.8355,

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

20.0977, 21.8355, 38.2774

Protanopia

21.6803, 21.7099, 36.3055

Deuteranopia

22.1375, 21.7033, 38.6197



Tritanopia

18.4684, 21.7830, 30.4253

Trichromacy



Original Color

20.0977, 21.8355, 38.2774

Protanomaly

20.9654, 21.7185, 36.8053

Deuteranomaly

21.3208, 21.6657, 38.6555

Tritanomaly

19.0987, 21.8369, 33.3453

Monochromacy



Original Color

20.0977, 21.8355, 38.2774

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

19.6553, 21.0448, 27.8371

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0977, 21.8355, 38.2774 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, 132, 164) looks like.

```
.text, #text, p{  
    color:rgb(99, 132, 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(99, 132, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 132, 164) }
```

Border

The CSS property to change the border of an element to XYZ 20.0977, 21.8355, 38.2774 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, 132, 164) }
```


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

```
.border{ border-color:rgb(99, 132, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 132, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 132, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 132, 164);  
box-shadow:4px 4px 4px 4px rgb(99, 132,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 20.0977, 21.8355, 38.2774 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 132, 164) }
```

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

```
.background{ background-color: rgb(99, 132,  
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](#).

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