

Converting Colors

XYZ(19.4853, 20.2748, 34.4512)

Have a look what the booklet for
XYZ(19.4853, 20.2748, 34.4512)
contains.

XYZ(19.3978, 20.1933, 34.3278)	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(19.3978, 20.1933,
34.3278)**

Conversions

Conversions Part 1

Format	Color
Hex	6B7D9C
RGB	107, 125, 156
RGB Percent	42%, 49%, 61%
CMY	0.5804, 0.5098, 0.3882
CMYK	0.31, 0.20, 0.00, 0.39
HSL	218°, 20%, 52%
HSV	218°, 31%, 61%
XYZ	19.3978, 20.1933, 34.3278
YIQ	123.1520, -20.6790, 5.8250

Conversions

Conversions Part 2

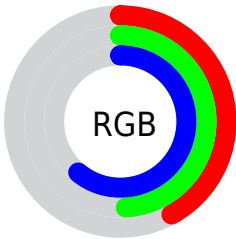
Format	Color
R _Y B	107, 120, 156
Decimal	7044508
CIE Lab	52.06, 1.04, -18.78
CIE LCh	52, 18.813, 273.166
Yxy	20.1933, 0.2624, 0.2732
Android (android.graphics.Color)	4285234588 (0xFF6B7D9C)
YUV	123.1520, 16.1941, -14.1653
Hunter-Lab	44.9370, -1.5871, -13.8364




Details

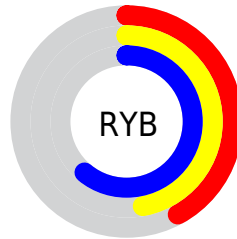
The XYZ color **19.3978, 20.1933, 34.3278** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **25.4531, 26.3069, 17.6469**, and the grayscale version is **18.8305, 19.8112, 21.5744**.




A 20% lighter version of the original color is **41.7781, 43.5184, 67.8260**, and **6.8792, 7.0883, 14.3702** is the 20% darker color. If you saturate the color by 10%, you get **16.5009, 16.9368, 33.8523**, and if you desaturate by 10%, it is **22.7586, 23.8742, 34.8615**.

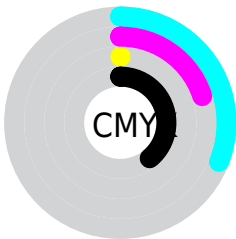
Distribution







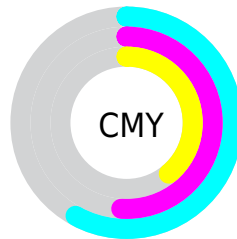
-  Red (42%)
-  Green (49%)
-  Blue (61%)






-  Red (42%)
-  Yellow (47%)
-  Blue (61%)



-  Cyan (31%)
-  Magenta (20%)
-  Yellow (0%)
-  Black (39%)



-  Cyan (58%)
-  Magenta (51%)
-  Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.3978, 20.1933, 34.3278 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 19.3978, 20.1933, 34.3278 by changing the saturation by 10% instead.

■ 19.3978, 20.1933,
34.3278

■ 19.3978, 20.1933,
34.3278

241.5323,
252.9596, 336.4049

■ 12.0638, 12.5356,
22.8661

■ 41.9169, 43.7410,
67.5828

■ 6.8596, 7.1096,
14.2903

■ 57.8327, 60.3999,
90.2132

■ 3.4200, 3.5307,
8.1818

■ 77.3398, 80.8279,
117.4037

■ 1.3796, 1.4147,
4.1221

■ 100.8036,
105.4095, 149.5727

■ 0.2416, 0.2275,
1.6925

128.5893,
134.5291, 187.1388

■ 0.0000, 0.0000,
0.3556

161.0625,

■ 0.0000, 0.0000,

168.5711, 230.5205

0.0000

198.5884,
207.9198, 280.1363

■ 19.3978, 20.1933,
34.3278

■ 19.3978, 20.1933,
34.3278

■ 16.5009, 16.9368,
33.8523

■ 22.7586, 23.8742,
34.8615

■ 14.0441, 14.0857,
33.4314

■ 26.6015, 27.9926,
35.4539

■ 12.0044, 11.6229,
33.0636

■ 30.9464, 32.5642,
36.1073

■ 10.3556, 9.5292,
32.7463

■ 35.8111, 37.6029,
36.8235

■ 9.0683, 7.7831,
32.4772

■ 41.2127, 43.1222,
37.6041

■ 8.1085, 6.3605,
32.2532

■ 47.1676, 49.1347,
38.4508

■ 7.4792, 5.3570,
32.0926

■ 53.6911, 55.6529,
39.3651

■ 60.7984, 62.6886,
40.3485

■ 68.5037, 70.2533,
41.4025

Harmonies

Analogous

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



17.5739, 20.1933, 32.8389



19.3978, 20.1933, 34.3278



21.2851, 20.1933, 32.0816

Triad

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



19.3978, 20.1933, 34.3278



22.4533, 20.1933, 16.6939



16.0829, 20.1933, 17.5502

Complementary

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



19.3978, 20.1933, 34.3278



25.4531, 26.3069, 17.6469

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.



17.2429, 20.1933, 14.2690



19.3978, 20.1933, 34.3278



20.9088, 20.1933, 13.8357

Square

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



19.3978, 20.1933, 34.3278



23.1215, 20.1933, 21.4081



18.9899, 20.1933, 13.0275



15.7370, 20.1933, 22.5764

Rectangle

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



19.3978, 20.1933, 34.3278



22.3031, 20.1933, 28.9564



18.9899, 20.1933, 13.0275



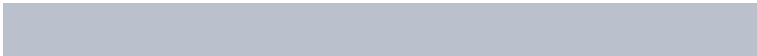
16.3866, 20.1933, 16.2366

Sweetspot

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



19.3984, 20.1941, 34.3283



49.9956, 52.6221, 64.6488



22.4834, 28.7156, 28.1067



10.7744, 11.3390, 14.1911



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



19.3984, 20.1941, 34.3283



31.2884, 32.2602, 61.7045



18.0328, 16.4084, 33.6695



6.4743, 6.8144, 8.3808



6.1913, 4.4742, 26.4445



0.1494, 0.1574, 0.4857

Inverse Universe

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



22.6702, 19.0647, 21.8878



38.3370, 30.2473, 34.8092



27.1726, 31.3498, 18.5296



6.7288, 6.6844, 7.4228



11.9233, 6.0739, 3.8471



0.2327, 0.1164, 0.1716

Previews

White Background



This preview shows how the XYZ color 19.3978, 20.1933, 34.3278 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 19.3978, 20.1933, 34.3278 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

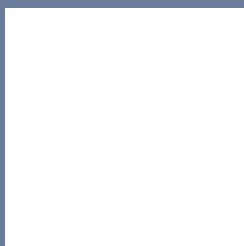
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.3978, 20.1933, 34.3278

Background



This preview shows how black text looks on a background with the XYZ color 19.3978, 20.1933, 34.3278.



This preview shows how white text looks on a background with the XYZ color 19.3978, 20.1933,

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

19.3978, 20.1933, 34.3278

Protanopia

20.1182, 20.2120, 33.4128

Deuteranopia

20.6531, 20.2753, 34.7233



Tritanopia

17.9001, 20.1569, 26.9920

Trichromacy



Original Color

19.3978, 20.1933, 34.3278

Protanomaly

19.9341, 20.2926, 33.8766

Deuteranomaly

20.2390, 20.2451, 34.7393

Tritanomaly

18.4091, 20.1661, 29.7103

Monochromacy



Original Color

19.3978, 20.1933, 34.3278

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

18.9169, 19.9465, 25.7747

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.3978, 20.1933, 34.3278 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(107, 125, 156)` looks like.

```
.text, #text, p{  
    color:rgb(107, 125, 156)  
}
```

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(107, 125, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 125, 156) }
```

Border

The CSS property to change the border of an element to XYZ 19.3978, 20.1933, 34.3278 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(107, 125, 156) }
```


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

```
.border{ border-color:rgb(107, 125, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 125, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 125, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 125, 156);  
box-shadow:4px 4px 4px 4px rgb(107, 125,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 19.3978, 20.1933, 34.3278 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 125, 156) }
```

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

```
.background{ background-color: rgb(107,  
125, 156) }
```

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