

Converting Colors

XYZ(20.3735, 21.1395, 34.7413)

Have a look what the booklet for
XYZ(20.3735, 21.1395, 34.7413)
contains.

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Color

**XYZ(20.3573, 21.0578,
34.8899)**

Conversions

Conversions Part 1

Format	Color
Hex	707F9D
RGB	112, 127, 157
RGB Percent	44%, 50%, 62%
CMY	0.5608, 0.5020, 0.3843
CMYK	0.29, 0.19, 0.00, 0.38
HSL	220°, 19%, 53%
HSV	220°, 29%, 62%
XYZ	20.3573, 21.0578, 34.8899
YIQ	125.9350, -18.5700, 6.1500

Conversions

Conversions Part 2

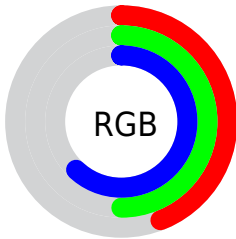
Format	Color
R_{YB}	112, 123, 157
Decimal	7372701
CIE _{Lab}	53.01, 1.69, -17.87
CIE _{LCh}	53, 17.952, 275.393
Yxy	21.0578, 0.2668, 0.2760
Android (android.graphics.Color)	4285562781 (0xFF707F9D)
YUV	125.9350, 15.3150, -12.2210
Hunter-Lab	45.8888, -1.1187, -12.9569

Details

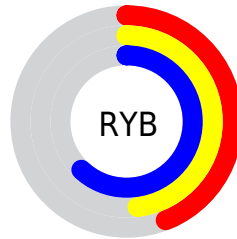
The XYZ color **20.3573, 21.0578, 34.8899** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **26.5027, 27.6843, 19.2767**, and the grayscale version is **19.7638, 20.7931, 22.6436**.

A 20% lighter version of the original color is **43.7220, 45.3953, 68.7451**, and **7.3758, 7.5461, 14.7035** is the 20% darker color. If you saturate the color by 10%, you get **17.2490, 17.5523, 34.3775**, and if you desaturate by 10%, it is **23.9558, 25.0255, 35.4664**.

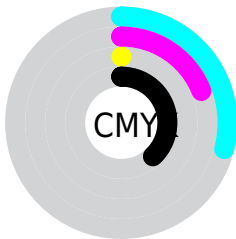
Distribution



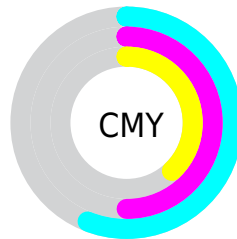
- Red (44%)
- Green (50%)
- Blue (62%)



- Red (44%)
- Yellow (48%)
- Blue (62%)



- Cyan (29%)
- Magenta (19%)
- Yellow (0%)
- Black (38%)



- Cyan (56%)
- Magenta (50%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3573, 21.0578, 34.8899 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 20.3573, 21.0578, 34.8899 by changing the saturation by 10% instead.

■ 20.3573, 21.0578,
34.8899

■ 20.3573, 21.0578,
34.8899

246.6397,
257.5855, 338.9716

■ 12.7648, 13.1663,
23.2952

■ 43.5148, 45.1837,
68.4648

■ 7.3427, 7.5431,
14.6043

■ 59.8105, 62.1869,
91.2821

■ 3.7255, 3.8040,
8.3986

■ 79.7380, 82.9960,
118.6773

■ 1.5481, 1.5646,
4.2596

■ 103.6627,
107.9956, 151.0690

■ 0.3582, 0.3335,
1.7688

131.9498,
137.5699, 188.8758

■ 0.0000, 0.0000,
0.4073

164.9648,

■ 0.0000, 0.0000,

172.1034, 232.5161

0.0000

203.0730,
211.9805, 282.4085

■ 20.3573, 21.0578,
34.8899

■ 20.3573, 21.0578,
34.8899

■ 17.2490, 17.5523,
34.3775

■ 23.9558, 25.0255,
35.4664

■ 14.6064, 14.4885,
33.9254

■ 28.0632, 29.4696,
36.1078

■ 12.4061, 11.8483,
33.5317

■ 32.6999, 34.4069,
36.8164

■ 10.6215, 9.6108,
33.1939

■ 37.8844, 39.8526,
37.5942

■ 9.2230, 7.7535,
32.9091

■ 43.6343, 45.8211,
38.4432

■ 8.1765, 6.2508,
32.6742

■ 49.9664, 52.3263,
39.3651

■ 7.4191, 5.0618,
32.4846

■ 56.8968, 59.3815,
40.3616

■ 7.3289, 4.9204,
32.4621

■ 64.4411, 66.9997,
41.4345

■ 72.6140, 75.1932,
42.5852

Harmonies

Analogous

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



18.5435, 21.0578, 33.7172



20.3573, 21.0578, 34.8899



22.1878, 21.0578, 32.4716

Triad

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



20.3573, 21.0578, 34.8899



23.1165, 21.0578, 17.4277



16.8977, 21.0578, 18.8729

Complementary

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



20.3573, 21.0578, 34.8899



26.5027, 27.6843, 19.2767

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.



17.9886, 21.0578, 15.4662



20.3573, 21.0578, 34.8899



21.5619, 21.0578, 14.7281

Square

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



20.3573, 21.0578, 34.8899



23.8435, 21.0578, 21.9668



19.6762, 21.0578, 14.0707



16.6196, 21.0578, 23.9176

Rectangle

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



20.3573, 21.0578, 34.8899



23.1479, 21.0578, 29.3419



19.6762, 21.0578, 14.0707



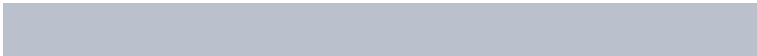
17.1780, 21.0578, 17.5249

Sweetspot

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



20.3580, 21.0586, 34.8904



49.8585, 52.3478, 64.6030



23.5660, 29.4897, 29.7475



10.7401, 11.2705, 14.1797



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.



20.3580, 21.0586, 34.8904



33.0190, 33.8529, 61.9207



19.4541, 17.9277, 34.3337



6.4564, 6.7786, 8.3748



5.9835, 4.0586, 26.3753



0.1437, 0.1461, 0.4838

Inverse Universe

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



23.5302, 20.2894, 22.7556



39.6666, 32.5254, 36.4273



27.6058, 31.7920, 20.0115



6.7197, 6.6808, 7.3751



11.8184, 6.0319, 3.2948



0.2299, 0.1153, 0.1566

Previews

White Background



This preview shows how the XYZ color 20.3573, 21.0578, 34.8899 looks on a white background.

Color Contrast Check

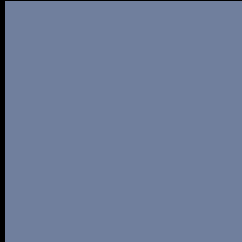
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.3573, 21.0578, 34.8899 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

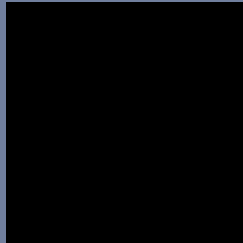
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

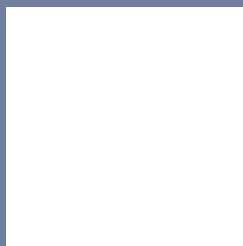
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.3573, 21.0578, 34.8899

Background



This preview shows how black text looks on a background with the XYZ color 20.3573, 21.0578, 34.8899.

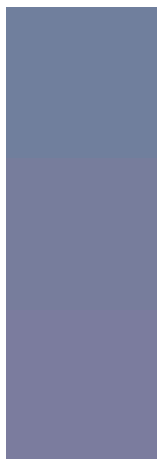


This preview shows how white text looks on a background with the XYZ color 20.3573, 21.0578,

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

20.3573, 21.0578, 34.8899

Protanopia

20.9421, 20.9895, 34.4001

Deuteranopia

21.5476, 21.0949, 35.2838



Tritanopia

18.9006, 21.0469, 27.8772

Trichromacy



Original Color

20.3573, 21.0578, 34.8899

Protanomaly

20.6641, 21.0350, 34.4235

Deuteranomaly

21.1129, 21.0578, 35.2995

Tritanomaly

19.3452, 21.0270, 30.2332

Monochromacy



Original Color

20.3573, 21.0578, 34.8899

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

19.8614, 20.7928, 26.6335

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3573, 21.0578, 34.8899 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(112, 127, 157)` looks like.

```
.text, #text, p{  
    color:rgb(112, 127, 157)  
}
```

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(112, 127, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 127, 157) }
```

Border

The CSS property to change the border of an element to XYZ 20.3573, 21.0578, 34.8899 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(112, 127, 157) }
```


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

```
.border{ border-color:rgb(112, 127, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 127, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 127, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 127, 157);  
box-shadow:4px 4px 4px 4px rgb(112, 127,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3573, 21.0578, 34.8899 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 127, 157) }
```

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

```
.background{ background-color: rgb(112,  
127, 157) }
```

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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