

Converting Colors

XYZ(36.9453, 36.3323, 58.3590)

Have a look what the booklet for
XYZ(36.9453, 36.3323, 58.3590)
contains.

XYZ(36.8893, 36.2444, 58.4777)	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(36.8893, 36.2444,
58.4777)**

Conversions

Conversions Part 1

Format	Color
Hex	9F9FC6
RGB	159, 159, 198
RGB Percent	62%, 62%, 78%
CMY	0.3765, 0.3765, 0.2235
CMYK	0.20, 0.20, 0.00, 0.22
HSL	240°, 25%, 70%
HSV	240°, 20%, 78%
XYZ	36.8893, 36.2444, 58.4777
YIQ	163.4460, -12.5190, 12.1290

Conversions

Conversions Part 2

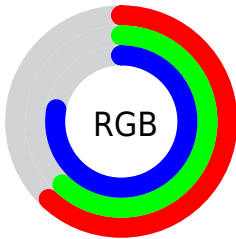
Format	Color
R_{YB}	159, 159, 198
Decimal	10461126
CIE Lab	66.71, 8.23, -19.97
CIE LCh	67, 21.600, 292.384
Yxy	36.2444, 0.2803, 0.2754
Android (android.graphics.Color)	4288651206 (0xFF9F9FC6)
YUV	163.4460, 17.0351, -3.8991
Hunter-Lab	60.2033, 4.0192, -15.4482

Details

The XYZ color **36.8893, 36.2444, 58.4777** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **49.7413, 54.8974, 40.7766**, and the grayscale version is **34.9507, 36.7708, 40.0434**.

A 20% lighter version of the original color is **69.8281, 69.6093, 104.3633**, and **16.4600, 15.8645, 28.5802** is the 20% darker color. If you saturate the color by 10%, you get **30.1366, 28.1080, 57.2637**, and if you desaturate by 10%, it is **44.8186, 45.7988, 59.9045**.

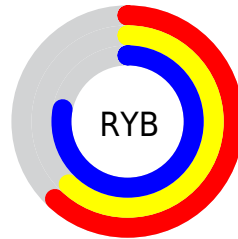
Distribution



Red (62%)

Green (62%)

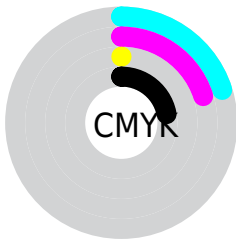
Blue (78%)



Red (62%)

Yellow (62%)

Blue (78%)

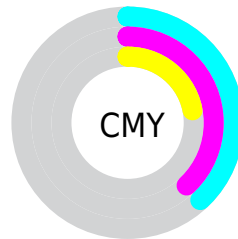


Cyan (20%)

Magenta (20%)

Yellow (0%)

Black (22%)



Cyan (38%)

Magenta (38%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.8893, 36.2444, 58.4777 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 36.8893, 36.2444, 58.4777 by changing the saturation by 10% instead.

■ 36.8893, 36.2444,
58.4777

■ 36.8893, 36.2444,
58.4777

324.1949,
330.0275, 436.6115

■ 25.2951, 24.6230,
41.7756

■ 69.7174, 69.4091,
104.1398

■ 16.4269, 15.7964,
28.6013

■ 91.6820, 91.7212,
133.9369

■ 9.9195, 9.3802,
18.5365

117.8342,
118.3657, 168.9360

■ 5.4075, 4.9900,
11.1624

148.5392,
149.7270, 209.5557

■ 2.5255, 2.2414,
6.0606

184.1624,
186.1894, 256.2146

■ 0.9081, 0.7424,
2.8126

225.0692,

■ 0.0000, 0.0000,

228.1374, 309.3312

0.9998

271.6249,
275.9553, 369.3239

0.0000, 0.0000,
0.0000

36.8893, 36.2444,
58.4777

36.8893, 36.2444,
58.4777

30.1366, 28.1080,
57.2637

44.8186, 45.7988,
59.9045

24.5013, 21.3178,
56.2501

53.9732, 56.8293,
61.5512

19.9241, 15.8026,
55.4268

64.4031, 69.3966,
63.4272

16.3391, 11.4829,
54.7820

76.1546, 83.5563,
65.5409

13.6729, 8.2702,
54.3024

87.1932, 96.8573,
67.5265

■ 11.8418, 6.0639,
53.9730

■ 10.7473, 4.7450,
53.7761

■ 10.2073, 4.0943,
53.6790

■ 10.1932, 4.0774,
53.6765

Harmonies

Analogous

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



33.6259, 36.2444, 60.0421



36.8893, 36.2444, 58.4777



39.6513, 36.2444, 51.4535

Triad

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



36.8893, 36.2444, 58.4777



38.4144, 36.2444, 26.8946



28.6078, 36.2444, 37.1345

Complementary

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



36.8893, 36.2444, 58.4777



49.7413, 54.8974, 40.7766

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.



29.7232, 36.2444, 29.4986



36.8893, 36.2444, 58.4777



35.2858, 36.2444, 24.2236

Square

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



36.8893, 36.2444, 58.4777



40.5698, 36.2444, 33.0209



32.1192, 36.2444, 25.0956



28.9774, 36.2444, 46.6949

Rectangle

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



36.8893, 36.2444, 58.4777



40.7689, 36.2444, 45.1441



32.1192, 36.2444, 25.0956



28.8189, 36.2444, 34.2815

Sweetspot

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



36.8904, 36.2459, 58.4785



84.9554, 87.8367, 107.0843



44.6112, 51.8071, 60.6830



17.9594, 18.5301, 22.8801



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



36.8904, 36.2459, 58.4785



59.4945, 57.1581, 102.5047



40.9178, 38.3218, 58.6670



10.0567, 10.2875, 13.3731



6.6288, 2.6516, 34.9068



0.3139, 0.1256, 1.6528

Inverse Universe

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



41.9458, 39.3063, 38.1785



70.2026, 63.6407, 59.5059



45.0780, 52.4937, 40.5584



10.6339, 10.6370, 11.0555



15.1453, 7.8077, 0.7089



0.7171, 0.3697, 0.0336

Previews

White Background



This preview shows how the XYZ color 36.8893, 36.2444, 58.4777 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 36.8893, 36.2444, 58.4777 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

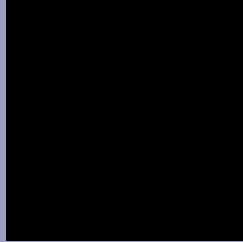
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.8893, 36.2444, 58.4777

Background



This preview shows how black text looks on a background with the XYZ color 36.8893, 36.2444, 58.4777.



This preview shows how white text looks on a background with the XYZ color 36.8893, 36.2444,

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

36.8893, 36.2444, 58.4777

Protanopia

36.1905, 36.3856, 59.1485

Deuteranopia

37.0884, 36.3471, 58.4870



Tritanopia

34.4512, 36.2975, 46.2646

Trichromacy



Original Color

36.8893, 36.2444, 58.4777

Protanomaly

36.3972, 36.2337, 59.1083

Deuteranomaly

37.0884, 36.3471, 58.4870

Tritanomaly

35.2824, 36.3693, 50.5078

Monochromacy



Original Color

36.8893, 36.2444, 58.4777

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

35.6571, 36.6566, 46.2704

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.8893, 36.2444, 58.4777 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(159, 159, 198)` looks like.

```
.text, #text, p{  
    color:rgb(159, 159, 198)  
}
```

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(159, 159, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 159, 198) }
```

Border

The CSS property to change the border of an element to XYZ 36.8893, 36.2444, 58.4777 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(159, 159, 198) }
```


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

```
.border{ border-color:rgb(159, 159, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 159, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 159, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 159, 198);  
box-shadow:4px 4px 4px 4px rgb(159, 159,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 36.8893, 36.2444, 58.4777 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 159, 198) }
```

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

```
.background{ background-color: rgb(159,  
159, 198) }
```

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