

Converting Colors

XYZ(36.8805, 38.7524, 57.7730)

Have a look what the booklet for
XYZ(36.8805, 38.7524, 57.7730)
contains.

XYZ(36.7289, 38.5701, 57.7335)	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(36.7289, 38.5701,
57.7335)**

Conversions

Conversions Part 1

Format	Color
Hex	97A8C4
RGB	151, 168, 196
RGB Percent	59%, 66%, 77%
CMY	0.4078, 0.3412, 0.2314
CMYK	0.23, 0.14, 0.00, 0.23
HSL	217°, 28%, 68%
HSV	217°, 23%, 77%
XYZ	36.7289, 38.5701, 57.7335
YIQ	166.1090, -19.1200, 5.1040

Conversions

Conversions Part 2

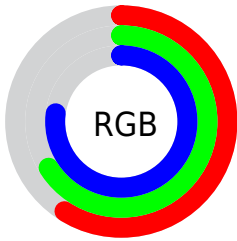
Format	Color
RYB	151, 163, 196
Decimal	9939140
CIELab	68.44, 0.23, -16.29
CIELCh	68, 16.295, 270.804
Yxy	38.5701, 0.2761, 0.2899
Android (android.graphics.Color)	4288129220 (0xFF97A8C4)
YUV	166.1090, 14.7363, -13.2506
Hunter-Lab	62.1048, -3.1183, -11.6434

Details

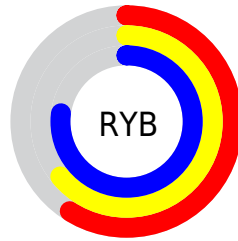
The XYZ color **36.7289, 38.5701, 57.7335** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **44.4713, 46.2103, 35.8546**, and the grayscale version is **36.2367, 38.1239, 41.5169**.

A 20% lighter version of the original color is **69.5709, 72.9890, 103.3500**, and **16.2735, 17.0964, 28.0334** is the 20% darker color. If you saturate the color by 10%, you get **31.2428, 32.5558, 56.8624**, and if you desaturate by 10%, it is **43.0333, 45.3215, 58.7050**.

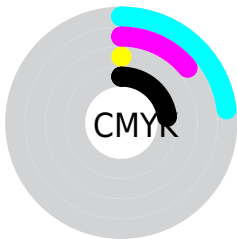
Distribution



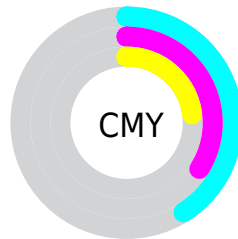
- Red (59%)
- Green (66%)
- Blue (77%)



- Red (59%)
- Yellow (64%)
- Blue (77%)



- Cyan (23%)
- Magenta (14%)
- Yellow (0%)
- Black (23%)



- Cyan (41%)
- Magenta (34%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.7289, 38.5701, 57.7335 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 36.7289, 38.5701, 57.7335 by changing the saturation by 10% instead.

■ 36.7289, 38.5701,
57.7335

■ 36.7289, 38.5701,
57.7335

323.5113,
340.0593, 433.7627

■ 25.1704, 26.4255,
41.1812

■ 69.4722, 72.9811,
103.0456

■ 16.3334, 17.1422,
28.1399

■ 91.3876, 96.0163,
132.6425

■ 9.8528, 10.3359,
18.1912

117.4861,
123.4504, 167.4246

■ 5.3630, 5.6223,
10.9165

148.1330,
155.6679, 207.8104

■ 2.4987, 2.6168,
5.8972

183.6936,
193.0531, 254.2186

■ 0.8946, 0.9351,
2.7149

224.5332,

■ 0.0000, 0.0000,

235.9905, 307.0677

0.9509

271.0174,
284.8644, 366.7762

■ 0.0000, 0.0000,
0.0000

■ 36.7289, 38.5701,
57.7335

■ 36.7289, 38.5701,
57.7335

■ 31.2428, 32.5558,
56.8624

■ 43.0333, 45.3215,
58.7050

■ 26.5357, 27.2471,
56.0858

■ 50.1858, 52.8309,
59.7775

■ 22.5705, 22.6167,
55.4011

■ 58.2189, 61.1240,
60.9548

■ 19.3051, 18.6337,
54.8044

■ 67.1625, 70.2236,
62.2399

■ 16.6930, 15.2641,
54.2916

■ 77.0448, 80.1519,
63.6354

■ 14.6814, 12.4703,
53.8584

■ 82.7102, 88.2582,
64.9014

■ 13.2078, 10.2089,
53.4996

■ 86.4452, 95.7281,
66.1464

■ 12.4163, 8.8903,
53.2868

■ 86.9639, 96.7656,
66.3193

Harmonies

Analogous

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



34.3100, 38.5701, 55.5485



36.7289, 38.5701, 57.7335



39.2396, 38.5701, 55.3102

Triad

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



36.7289, 38.5701, 57.7335



41.0537, 38.5701, 35.1807



32.5272, 38.5701, 35.4863

Complementary

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



36.7289, 38.5701, 57.7335



44.4713, 46.2103, 35.8546

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.



34.1955, 38.5701, 31.0112



36.7289, 38.5701, 57.7335



39.1144, 38.5701, 30.8497

Square

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



36.7289, 38.5701, 57.7335



41.8068, 38.5701, 41.7986



36.5906, 38.5701, 29.4152



31.9534, 38.5701, 42.1946

Rectangle

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



36.7289, 38.5701, 57.7335



40.6097, 38.5701, 51.5533



36.5906, 38.5701, 29.4152



32.9746, 38.5701, 33.7000

Sweetspot

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



36.7301, 38.5717, 57.7344



85.3440, 89.8880, 107.4598



40.6146, 49.3045, 49.8922



18.0960, 19.0603, 22.9752



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.



36.7301, 38.5717, 57.7344



60.9106, 63.7394, 103.7003



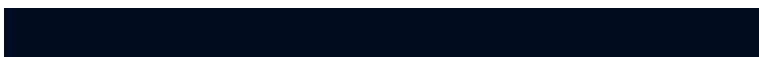
34.7900, 33.2125, 56.8022



9.8332, 10.3577, 12.7658



8.0548, 5.8661, 34.2644



0.4145, 0.3865, 1.5026

Inverse Universe

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



40.9004, 36.6971, 41.9751



70.0023, 60.0570, 69.2526



46.7496, 52.7589, 36.9985



10.2271, 10.1395, 11.2865



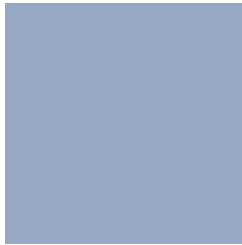
15.4617, 7.8744, 5.0772



0.7016, 0.3537, 0.3962

Previews

White Background



This preview shows how the XYZ color 36.7289, 38.5701, 57.7335 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 36.7289, 38.5701, 57.7335 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 36.7289, 38.5701, 57.7335

Background



This preview shows how black text looks on a background with the XYZ color 36.7289, 38.5701, 57.7335.



This preview shows how white text looks on a background with the XYZ color 36.7289, 38.5701,

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

36.7289, 38.5701, 57.7335

Protanopia

37.8907, 38.3824, 56.4504

Deuteranopia

39.3237, 38.5504, 58.1917



Tritanopia

35.4209, 38.5997, 50.9310

Trichromacy



Original Color

36.7289, 38.5701, 57.7335

Protanomaly

37.3912, 38.3807, 57.0672

Deuteranomaly

38.4335, 38.6229, 58.2526

Tritanomaly

35.8427, 38.4908, 53.1173

Monochromacy



Original Color

36.7289, 38.5701, 57.7335

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

36.4525, 38.3888, 47.0835

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.7289, 38.5701, 57.7335 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(151, 168, 196)` looks like.

```
.text, #text, p{  
    color:rgb(151, 168, 196)  
}
```

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(151, 168, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 168, 196) }
```

Border

The CSS property to change the border of an element to XYZ 36.7289, 38.5701, 57.7335 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(151, 168, 196) }
```


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

```
.border{ border-color:rgb(151, 168, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 168, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 168, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 168, 196);  
box-shadow:4px 4px 4px 4px rgb(151, 168,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 36.7289, 38.5701, 57.7335 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 168, 196) }
```

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

```
.background{ background-color: rgb(151,  
168, 196) }
```

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