

Converting Colors

XYZ(37.9391, 37.8760, 56.3501)

Have a look what the booklet for
XYZ(37.9391, 37.8760, 56.3501)
contains.

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Color

**XYZ(37.9391, 37.8760,
56.3501)**

Conversions

Conversions Part 1

Format	Color
Hex	A3A3C2
RGB	163, 163, 194
RGB Percent	64%, 64%, 76%
CMY	0.3608, 0.3608, 0.2392
CMYK	0.16, 0.16, 0.00, 0.24
HSL	240°, 20%, 70%
HSV	240°, 16%, 76%
XYZ	37.9391, 37.8760, 56.3501
YIQ	166.5340, -9.9510, 9.6410

Conversions

Conversions Part 2

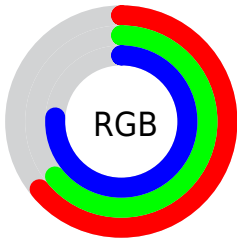
Format	Color
R _Y B	163, 163, 194
Decimal	10724290
CIE Lab	67.93, 6.38, -15.87
CIE LCh	68, 17.104, 291.909
Yxy	37.8760, 0.2871, 0.2866
Android (android.graphics.Color)	4288914370 (0xFFA3A3C2)
YUV	166.5340, 13.5407, -3.0993
Hunter-Lab	61.5435, 2.3370, -11.2063

Details

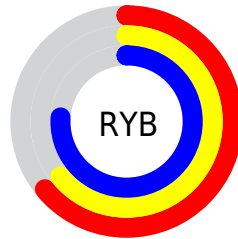
The XYZ color **37.9391, 37.8760, 56.3501** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **48.1511, 52.6971, 42.2850**, and the grayscale version is **36.4449, 38.3429, 41.7554**.

A 20% lighter version of the original color is **71.3974, 72.0133, 101.4037**, and **16.9736, 16.6418, 27.1285** is the 20% darker color. If you saturate the color by 10%, you get **31.0834, 29.6156, 55.1176**, and if you desaturate by 10%, it is **45.9348, 47.5103, 57.7889**.

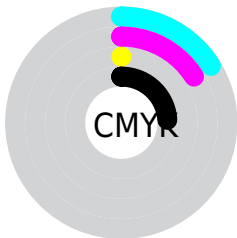
Distribution



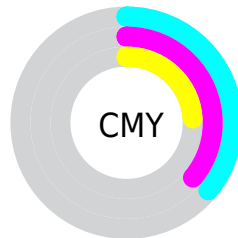
- Red (64%)
- Green (64%)
- Blue (76%)



- Red (64%)
- Yellow (64%)
- Blue (76%)



- Cyan (16%)
- Magenta (16%)
- Yellow (0%)
- Black (24%)



- Cyan (36%)
- Magenta (36%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.9391, 37.8760, 56.3501 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 37.9391, 37.8760, 56.3501 by changing the saturation by 10% instead.

■ 37.9391, 37.8760,
56.3501

■ 37.9391, 37.8760,
56.3501

328.6440,
337.0877, 428.4349

■ 26.1124, 25.8865,
40.0778

■ 71.3193, 71.9180,
101.0072

■ 17.0409, 16.7387,
27.2850

■ 93.6035, 94.7393,
130.2290

■ 10.3591, 10.0484,
17.5530

120.1043,
121.9400, 164.6045

■ 5.7018, 5.4310,
10.4635

151.1870,
153.9044, 204.5521

■ 2.7035, 2.5023,
5.5977

187.2169,
191.0170, 250.4904

■ 0.9990, 0.8778,
2.5372

228.5595,

■ 0.0000, 0.0000,

233.6622, 302.8380

0.8598

275.5801,
282.2243, 362.0133

■ 0.0000, 0.0000,
0.0000

■ 37.9391, 37.8760,
56.3501

■ 37.9391, 37.8760,
56.3501

■ 31.0834, 29.6156,
55.1176

■ 45.9348, 47.5103,
57.7889

■ 25.3126, 22.6621,
54.0796

■ 55.1154, 58.5722,
59.4402

■ 20.5721, 16.9502,
53.2270

■ 65.5277, 71.1181,
61.3130

■ 16.8013, 12.4066,
52.5487

■ 77.2148, 85.2000,
63.4151

■ 13.9333, 8.9508,
52.0328

■ 86.7377, 96.6751,
65.1281

■ 11.8927, 6.4919,
51.6658

■ 10.5918, 4.9244,
51.4318

■ 9.9202, 4.1150,
51.3109

■ 9.7378, 3.8953,
51.2781

Harmonies

Analogous

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



35.2861, 37.8760, 57.4788



37.9391, 37.8760, 56.3501



40.1701, 37.8760, 50.9357

Triad

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



37.9391, 37.8760, 56.3501



39.2428, 37.8760, 30.7687



31.1776, 37.8760, 39.2164

Complementary

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



37.9391, 37.8760, 56.3501



48.1511, 52.6971, 42.2850

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.



32.1290, 37.8760, 32.8610



37.9391, 37.8760, 56.3501



36.7234, 37.8760, 28.3907

Square

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



37.9391, 37.8760, 56.3501



40.9482, 37.8760, 36.0210



34.1281, 37.8760, 29.1066



31.4674, 37.8760, 46.9413

Rectangle

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



37.9391, 37.8760, 56.3501



41.0751, 37.8760, 45.9502



34.1281, 37.8760, 29.1066



31.3612, 37.8760, 36.8642

Sweetspot

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



37.9403, 37.8776, 56.3509



84.6283, 87.7710, 104.9509



44.0765, 50.2427, 58.1105



18.2869, 18.9247, 22.9390



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.



37.9403, 37.8776, 56.3509



64.3858, 63.3804, 101.3099



41.1919, 39.5534, 56.5030



9.5284, 9.7481, 12.6642



6.4023, 2.5611, 33.7135



0.2766, 0.1107, 1.4567

Inverse Universe

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



41.9571, 40.3091, 40.2212



72.9739, 68.5790, 66.8245



44.4977, 50.8143, 42.1142



10.0733, 10.0779, 10.4763



14.6275, 7.5408, 0.6848



0.6320, 0.3258, 0.0296

Previews

White Background



This preview shows how the XYZ color 37.9391, 37.8760, 56.3501 looks on a white background.

Color Contrast Check

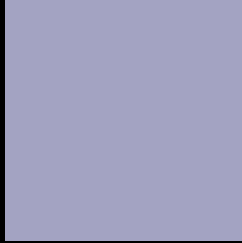
Large Text (above 18pt) WCAG AA × Fail

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 37.9391, 37.8760, 56.3501 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

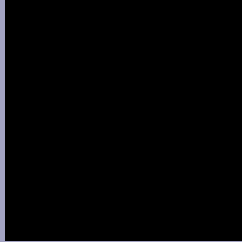
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.9391, 37.8760, 56.3501

Background



This preview shows how black text looks on a background with the XYZ color 37.9391, 37.8760, 56.3501.



This preview shows how white text looks on a background with the XYZ color 37.9391, 37.8760,

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

37.9391, 37.8760, 56.3501

Protanopia

37.4239, 37.8620, 56.9654

Deuteranopia

38.8064, 38.0605, 56.3400



Tritanopia

36.2701, 38.0007, 48.0711

Trichromacy



Original Color

37.9391, 37.8760, 56.3501

Protanomaly

37.6230, 37.9646, 56.9747

Deuteranomaly

38.3838, 37.8427, 56.3203

Tritanomaly

36.8048, 37.9480, 50.7323

Monochromacy



Original Color

37.9391, 37.8760, 56.3501

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

37.2979, 38.5538, 47.0708

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.9391, 37.8760, 56.3501 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(163, 163, 194)` looks like.

```
.text, #text, p{  
    color:rgb(163, 163, 194)  
}
```

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(163, 163, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 163, 194) }
```

Border

The CSS property to change the border of an element to XYZ 37.9391, 37.8760, 56.3501 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(163, 163, 194) }
```


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

```
.border{ border-color:rgb(163, 163, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 163, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 163, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 163, 194);  
box-shadow:4px 4px 4px 4px rgb(163, 163,  
194) }
```

Background

The CSS property to change the background color of an element to XYZ 37.9391, 37.8760, 56.3501 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 163, 194) }
```

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

```
.background{ background-color: rgb(163,  
163, 194) }
```

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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