

Converting Colors

XYZ(37.8354, 40.0468, 63.7695)

Have a look what the booklet for
XYZ(37.8354, 40.0468, 63.7695)
contains.

XYZ(37.8046, 40.1159, 63.5082)	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(37.8046, 40.1159,
63.5082)**

Conversions

Conversions Part 1

Format	Color
Hex	93ACCD
RGB	147, 172, 205
RGB Percent	58%, 67%, 80%
CMY	0.4235, 0.3255, 0.1961
CMYK	0.28, 0.16, 0.00, 0.20
HSL	214°, 37%, 69%
HSV	214°, 28%, 80%
XYZ	37.8046, 40.1159, 63.5082
YIQ	168.2870, -25.4930, 4.9630

Conversions

Conversions Part 2

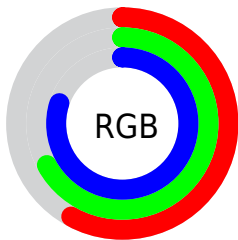
Format	Color
RYB	147, 164, 205
Decimal	9678029
CIELab	69.55, -1.05, -19.60
CIELCh	70, 19.628, 266.938
Yxy	40.1159, 0.2673, 0.2836
Android (android.graphics.Color)	4287868109 (0xFF93ACCD)
YUV	168.2870, 18.0995, -18.6687
Hunter-Lab	63.3371, -4.2970, -15.1142

Details

The XYZ color **37.8046, 40.1159, 63.5082** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **46.7651, 47.7286, 34.3526**, and the grayscale version is **37.2843, 39.2259, 42.7170**.

A 20% lighter version of the original color is **69.8762, 74.7147, 105.3463**, and **17.0217, 18.1002, 31.8747** is the 20% darker color. If you saturate the color by 10%, you get **32.3279, 34.1415, 62.6444**, and if you desaturate by 10%, it is **44.1337, 46.8209, 64.4695**.

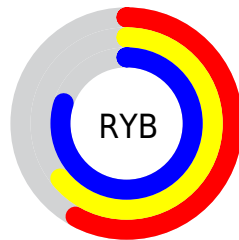
Distribution



Red (58%)

Green (67%)

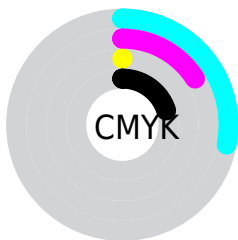
Blue (80%)



Red (58%)

Yellow (64%)

Blue (80%)

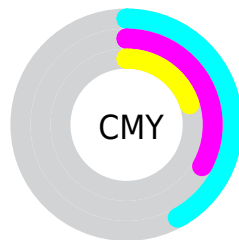


Cyan (28%)

Magenta (16%)

Yellow (0%)

Black (20%)



Cyan (42%)

Magenta (33%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.8046, 40.1159, 63.5082 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 37.8046, 40.1159, 63.5082 by changing the saturation by 10% instead.

■ 37.8046, 40.1159,
63.5082

■ 37.8046, 40.1159,
63.5082

328.0764,
346.6118, 455.5701

■ 26.0076, 27.6289,
45.8088

■ 71.1144, 75.3400,
111.4950

■ 16.9620, 18.0461,
31.7474

■ 93.3579, 98.8458,
142.6195

■ 10.3026, 10.9831,
20.9054

119.8142,
126.7935, 179.0562

■ 5.6638, 6.0555,
12.8643

150.8488,
159.5673, 221.2235

■ 2.6805, 2.8788,
7.2056

186.8269,
197.5516, 269.5400

■ 0.9871, 1.0688,
3.5106

228.1140,

■ 0.0000, 0.0000,

241.1309, 324.4242

1.3609

275.0754,
290.6895, 386.2948

■ 0.0000, 0.0000,
0.1109

■ 0.0000, 0.0000,
0.0000

■ 37.8046, 40.1159,
63.5082

■ 37.8046, 40.1159,
63.5082

■ 32.3279, 34.1415,
62.6444

■ 44.1337, 46.8209,
64.4695

■ 27.6601, 28.8649,
61.8719

■ 51.3485, 54.2779,
65.5286

■ 23.7592, 24.2579,
61.1882

■ 59.4849, 62.5132,
66.6893

■ 20.5777, 20.2878,
60.5896

■ 68.5757, 71.5505,
67.9545

■ 18.0620, 16.9186,
60.0719

■ 78.6521, 81.4121,
69.3270

■ 16.1500, 14.1094,
59.6304

■ 84.0068, 89.1622,
70.5406

■ 14.7500, 11.8037,
59.2592

■ 87.5894, 96.3274,
71.7348

■ 14.5396, 11.4478,
59.2016

■ 88.0196, 97.1878,
71.8783

Harmonies

Analogous

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



34.9028, 40.1159, 59.9837



37.8046, 40.1159, 63.5082



40.9543, 40.1159, 61.1420

Triad

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



37.8046, 40.1159, 63.5082



43.8186, 40.1159, 36.2466



33.2505, 40.1159, 34.8403

Complementary

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



37.8046, 40.1159, 63.5082



46.7651, 47.7286, 34.3526

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.



35.4367, 40.1159, 29.9052



37.8046, 40.1159, 63.5082



41.5480, 40.1159, 30.6347

Square

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



37.8046, 40.1159, 63.5082



44.5378, 40.1159, 44.6176



38.4552, 40.1159, 28.4782



32.3664, 40.1159, 42.7544

Rectangle

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



37.8046, 40.1159, 63.5082



42.7526, 40.1159, 56.7002



38.4552, 40.1159, 28.4782



33.8513, 40.1159, 32.8222

Sweetspot

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



37.8059, 40.1175, 63.5091



84.3475, 89.1512, 107.3701



42.0895, 53.1564, 51.1516



17.6469, 18.6655, 22.9227



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.



37.8059, 40.1175, 63.5091



56.2551, 59.5631, 103.1396



34.1919, 31.8429, 62.1024



10.9928, 11.6260, 14.2350



9.1419, 7.3077, 36.8850



0.5465, 0.5268, 1.9278

Inverse Universe

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



43.0580, 36.8262, 43.8703



66.3990, 53.8165, 65.0724



51.2218, 58.2060, 36.1401



11.4097, 11.2926, 12.6922



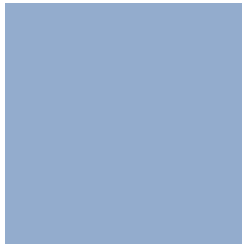
16.8253, 8.5407, 6.7987



0.9058, 0.4557, 0.5498

Previews

White Background



This preview shows how the XYZ color 37.8046, 40.1159, 63.5082 looks on a white background.

Color Contrast Check

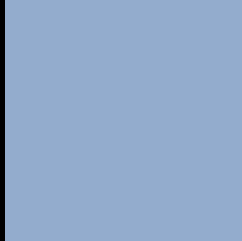
Large Text (above 18pt) WCAG AA × Fail

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 37.8046, 40.1159, 63.5082 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

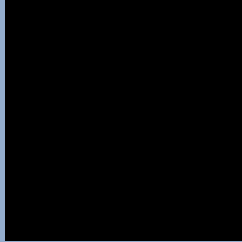
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

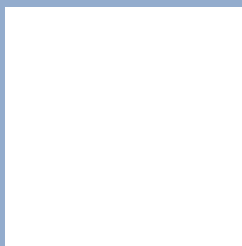
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.8046, 40.1159, 63.5082

Background



This preview shows how black text looks on a background with the XYZ color 37.8046, 40.1159, 63.5082.

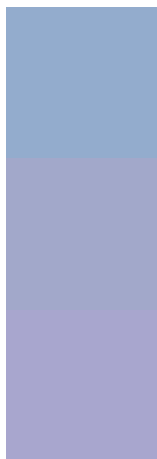


This preview shows how white text looks on a background with the XYZ color 37.8046, 40.1159,

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

37.8046, 40.1159, 63.5082

Protanopia

39.5636, 39.9509, 61.5032

Deuteranopia

40.9252, 40.0535, 63.9666



Tritanopia

36.0169, 40.2634, 54.0174

Trichromacy



Original Color

37.8046, 40.1159, 63.5082

Protanomaly

38.8721, 39.8558, 62.1441

Deuteranomaly

39.6404, 39.9351, 64.0115

Tritanomaly

36.6634, 40.2320, 57.4629

Monochromacy



Original Color

37.8046, 40.1159, 63.5082

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

37.0257, 39.1857, 49.3282

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.8046, 40.1159, 63.5082 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(147, 172, 205)` looks like.

```
.text, #text, p{  
    color:rgb(147, 172, 205)  
}
```

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(147, 172, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 172, 205) }
```

Border

The CSS property to change the border of an element to XYZ 37.8046, 40.1159, 63.5082 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(147, 172, 205) }
```


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

```
.border{ border-color:rgb(147, 172, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 172, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 172, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 172, 205);  
box-shadow:4px 4px 4px 4px rgb(147, 172,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 37.8046, 40.1159, 63.5082 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 172, 205) }
```

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

```
.background{ background-color: rgb(147,  
172, 205) }
```

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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