

Converting Colors

XYZ(38.3951, 40.4995, 66.5400)

Have a look what the booklet for
XYZ(38.3951, 40.4995, 66.5400)
contains.

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Color

**XYZ(38.6090, 40.7433,
66.8021)**

Conversions

Conversions Part 1

Format	Color
Hex	93ADD2
RGB	147, 173, 210
RGB Percent	58%, 68%, 82%
CMY	0.4235, 0.3216, 0.1765
CMYK	0.30, 0.18, 0.00, 0.18
HSL	215°, 41%, 70%
HSV	215°, 30%, 82%
XYZ	38.6090, 40.7433, 66.8021
YIQ	169.4440, -27.3730, 5.9950

Conversions

Conversions Part 2

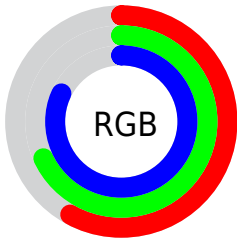
Format	Color
RYB	147, 165, 210
Decimal	9678290
CIELab	70.00, -0.37, -21.68
CIElCh	70, 21.679, 269.018
Yxy	40.7433, 0.2642, 0.2788
Android (android.graphics.Color)	4287868370 (0xFF93ADD2)
YUV	169.4440, 19.9941, -19.6834
Hunter-Lab	63.8305, -3.7344, -17.3689

Details

The XYZ color **38.6090, 40.7433, 66.8021** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **48.9859, 50.0896, 34.6913**, and the grayscale version is **37.8467, 39.8176, 43.3614**.

A 20% lighter version of the original color is **70.1505, 75.2634, 105.4377**, and **17.4731, 18.4742, 33.6553** is the 20% darker color. If you saturate the color by 10%, you get **32.9249, 34.4637, 65.8903**, and if you desaturate by 10%, it is **45.2014, 47.8171, 67.8207**.

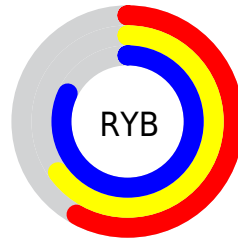
Distribution



Red (58%)

Green (68%)

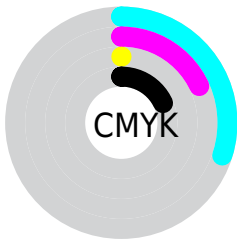
Blue (82%)



Red (58%)

Yellow (65%)

Blue (82%)

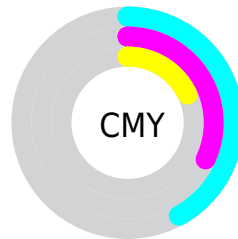


Cyan (30%)

Magenta (18%)

Yellow (0%)

Black (18%)



Cyan (42%)

Magenta (32%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.6090, 40.7433, 66.8021 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 38.6090, 40.7433, 66.8021 by changing the saturation by 10% instead.

■ 38.6090, 40.7433,
66.8021

■ 38.6090, 40.7433,
66.8021

331.4611,
349.2466, 467.7223

■ 26.6350, 28.1186,
48.4632

■ 72.3385, 76.2941,
116.2747

■ 17.4345, 18.4150,
33.8313

■ 94.8248, 99.9889,
148.2456

■ 10.6420, 11.2484,
22.4877

121.5459,
128.1425, 185.5975

■ 5.8921, 6.2342,
14.0140

152.8672,
161.1393, 228.7491

■ 2.8196, 2.9880,
7.9915

189.1540,
199.3638, 278.1188

■ 1.0591, 1.1255,
4.0018

230.7717,

■ 0.0000, 0.0000,

243.2002, 334.1252

1.6263

278.0856,
293.0330, 397.1869

■ 0.0000, 0.0000,
0.3095

■ 0.0000, 0.0000,
0.0000

■ 38.6090, 40.7433,
66.8021

■ 38.6090, 40.7433,
66.8021

■ 32.9249, 34.4637,
65.8903

■ 45.2014, 47.8171,
67.8207

■ 28.1019, 28.9424,
65.0788

■ 52.7385, 55.7095,
68.9469

■ 24.0942, 24.1477,
64.3645

■ 61.2593, 64.4495,
70.1848

■ 20.8496, 20.0432,
63.7433

■ 70.7993, 74.0634,
71.5376

■ 18.3094, 16.5884,
63.2103

■ 81.3924, 84.5760,
73.0084

■ 16.4047, 13.7374,
62.7604

■ 86.1340, 92.4353,
74.2755

■ 15.0148, 11.4167,
62.3858

■ 88.6330, 97.4332,
75.1085

■ 15.0147, 11.4166,
62.3857

Harmonies

Analogous

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



35.3319, 40.7433, 63.2244



38.6090, 40.7433, 66.8021



42.1157, 40.7433, 63.6475

Triad

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



38.6090, 40.7433, 66.8021



44.9760, 40.7433, 35.5767



33.1872, 40.7433, 35.0806

Complementary

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



38.6090, 40.7433, 66.8021



48.9859, 50.0896, 34.6913

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.



35.5219, 40.7433, 29.4290



38.6090, 40.7433, 66.8021



42.3293, 40.7433, 29.6833

Square

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



38.6090, 40.7433, 66.8021



45.9240, 40.7433, 44.6967



38.8418, 40.7433, 27.6118



32.3212, 40.7433, 44.0300

Rectangle

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



38.6090, 40.7433, 66.8021



44.0845, 40.7433, 58.3872



38.8418, 40.7433, 27.6118



33.8190, 40.7433, 32.7853

Sweetspot

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



38.6103, 40.7449, 66.8030



82.9550, 87.6042, 107.1449



43.7057, 55.7473, 53.6678



17.3630, 18.3441, 22.8756



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.



38.6103, 40.7449, 66.8030



54.1023, 56.8419, 102.7278



35.0633, 32.2212, 65.3448



11.5587, 12.2077, 14.9908



9.2525, 7.1515, 38.0852



0.5947, 0.5546, 2.1553

Inverse Universe

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



44.5559, 37.5873, 44.4436



64.9257, 51.7466, 61.8786



53.4218, 61.1442, 36.5912



12.0082, 11.8880, 13.3187



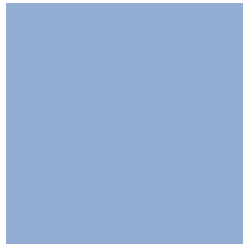
17.3009, 8.7932, 6.4909



1.0064, 0.5073, 0.5686

Previews

White Background



This preview shows how the XYZ color 38.6090, 40.7433, 66.8021 looks on a white background.

Color Contrast Check

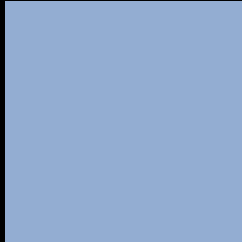
Large Text (above 18pt) WCAG AA × Fail

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 38.6090, 40.7433, 66.8021 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 38.6090, 40.7433, 66.8021

Background



This preview shows how black text looks on a background with the XYZ color 38.6090, 40.7433, 66.8021.



This preview shows how white text looks on a background with the XYZ color 38.6090, 40.7433,

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

38.6090, 40.7433, 66.8021

Protanopia

40.3507, 40.5623, 64.7341

Deuteranopia

41.5129, 40.5561, 67.2682



Tritanopia

36.1473, 40.6080, 54.6482

Trichromacy



Original Color

38.6090, 40.7433, 66.8021

Protanomaly

39.6645, 40.4716, 65.3958

Deuteranomaly

40.4430, 40.5527, 67.3239

Tritanomaly

36.9096, 40.6205, 58.7185

Monochromacy



Original Color

38.6090, 40.7433, 66.8021

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

37.7244, 39.7872, 51.0388

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.6090, 40.7433, 66.8021 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, 173, 210)` looks like.

```
.text, #text, p{  
    color:rgb(147, 173, 210)  
}
```

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, 173, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 173, 210) }
```

Border

The CSS property to change the border of an element to XYZ 38.6090, 40.7433, 66.8021 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, 173, 210) }
```


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

```
.border{ border-color:rgb(147, 173, 210) }
```

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

Here you see how a box with a 4 pixel rgb(147, 173, 210) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 173, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 173, 210);  
box-shadow:4px 4px 4px 4px rgb(147, 173,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 38.6090, 40.7433, 66.8021 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 173, 210) }
```

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

```
.background{ background-color: rgb(147,  
173, 210) }
```

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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