

Converting Colors

XYZ(38.6987, 40.8716, 66.3334)

Have a look what the booklet for
XYZ(38.6987, 40.8716, 66.3334)
contains.

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Color

**XYZ(38.6649, 40.7865,
66.1563)**

Conversions

Conversions Part 1

Format	Color
Hex	94ADD1
RGB	148, 173, 209
RGB Percent	58%, 68%, 82%
CMY	0.4196, 0.3216, 0.1804
CMYK	0.29, 0.17, 0.00, 0.18
HSL	215°, 40%, 70%
HSV	215°, 29%, 82%
XYZ	38.6649, 40.7865, 66.1563
YIQ	169.6290, -26.4560, 5.8960

Conversions

Conversions Part 2

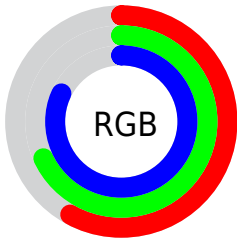
Format	Color
R _{YB}	148, 166, 209
Decimal	9743825
CIE Lab	70.03, -0.32, -21.07
CIE LCh	70, 21.077, 269.120
Yxy	40.7865, 0.2655, 0.2801
Android (android.graphics.Color)	4287933905 (0xFF94ADD1)
YUV	169.6290, 19.4099, -18.9686
Hunter-Lab	63.8643, -3.6946, -16.7128

Details

The XYZ color **38.6649, 40.7865, 66.1563** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **48.7808, 49.9747, 35.0931**, and the grayscale version is **37.9409, 39.9168, 43.4694**.

A 20% lighter version of the original color is **70.4220, 75.4033, 105.4504**, and **17.4940, 18.4946, 33.2196** is the 20% darker color. If you saturate the color by 10%, you get **32.9636, 34.4978, 65.2436**, and if you desaturate by 10%, it is **45.2697, 47.8670, 67.1756**.

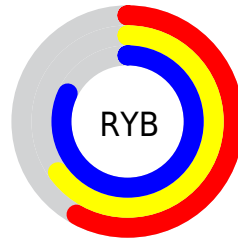
Distribution



Red (58%)

Green (68%)

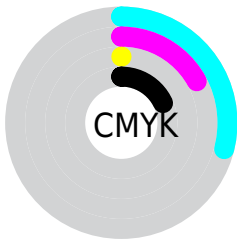
Blue (82%)



Red (58%)

Yellow (65%)

Blue (82%)

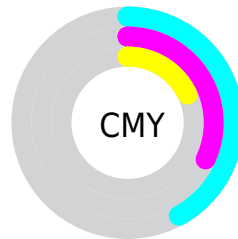


Cyan (29%)

Magenta (17%)

Yellow (0%)

Black (18%)



Cyan (42%)

Magenta (32%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.6649, 40.7865, 66.1563 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 38.6649, 40.7865, 66.1563 by changing the saturation by 10% instead.

■ 38.6649, 40.7865,
66.1563

■ 38.6649, 40.7865,
66.1563

331.6954,
349.4275, 465.3551

■ 26.6787, 28.1523,
47.9420

■ 72.4235, 76.3597,
115.3398

■ 17.4674, 18.4405,
33.4213

■ 94.9265, 100.0675,
147.1460

■ 10.6657, 11.2667,
22.1756

121.6660,
128.2352, 184.3201

■ 5.9081, 6.2465,
13.7865

153.0070,
161.2473, 227.2803

■ 2.8294, 2.9956,
7.8352

189.3152,
199.4882, 276.4455

■ 1.0642, 1.1294,
3.9034

230.9557,

■ 0.0000, 0.0029,

243.3423, 332.2339

1.5725

278.2940,
293.1939, 395.0643

■ 0.0000, 0.0000,
0.2711

■ 0.0000, 0.0000,
0.0000

■ 38.6649, 40.7865,
66.1563

■ 38.6649, 40.7865,
66.1563

■ 32.9636, 34.4978,
65.2436

■ 45.2697, 47.8670,
67.1756

■ 28.1193, 28.9653,
64.4311

■ 52.8138, 55.7634,
68.3021

■ 24.0870, 24.1578,
63.7157

■ 61.3356, 64.5044,
69.5401

■ 20.8154, 20.0392,
63.0931

■ 70.8702, 74.1159,
70.8928

■ 18.2471, 16.5699,
62.5588

■ 81.4509, 84.6227,
72.3632

■ 16.3149, 13.7046,
62.1076

■ 86.0117, 92.3894,
73.6219

■ 14.9113, 11.3769,
61.7323

■ 88.5088, 97.3835,
74.4543

■ 14.8096, 11.2052,
61.7045

Harmonies

Analogous

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



35.4716, 40.7865, 62.7200



38.6649, 40.7865, 66.1563



42.0731, 40.7865, 63.0867

Triad

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



38.6649, 40.7865, 66.1563



44.8328, 40.7865, 35.8189



33.3652, 40.7865, 35.3843

Complementary

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



38.6649, 40.7865, 66.1563



48.7808, 49.9747, 35.0931

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.



35.6376, 40.7865, 29.8387



38.6649, 40.7865, 66.1563



42.2591, 40.7865, 30.0624

Square

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



38.6649, 40.7865, 66.1563



45.7588, 40.7865, 44.7010



38.8680, 40.7865, 28.0421



32.5252, 40.7865, 44.1194

Rectangle

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



38.6649, 40.7865, 66.1563



43.9823, 40.7865, 57.9882



38.8680, 40.7865, 28.0421



33.9800, 40.7865, 33.1356

Sweetspot

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



38.6662, 40.7881, 66.1572



82.9355, 87.5653, 107.1384



43.6222, 55.3409, 53.5024



17.3582, 18.3345, 22.8740



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.



38.6662, 40.7881, 66.1572



54.9216, 57.6962, 102.8495



35.2521, 32.5648, 64.7499



11.5559, 12.2021, 14.9898



9.2227, 7.0921, 38.0753



0.5929, 0.5510, 2.1547

Inverse Universe

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



44.4283, 37.7533, 44.4824



65.5306, 52.7216, 62.8047



53.0255, 60.5654, 36.9136



12.0067, 11.8874, 13.3113



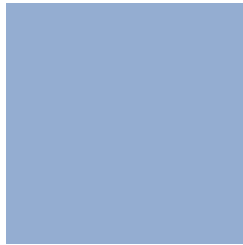
17.2859, 8.7872, 6.4120



1.0055, 0.5069, 0.5638

Previews

White Background



This preview shows how the XYZ color 38.6649, 40.7865, 66.1563 looks on a white background.

Color Contrast Check

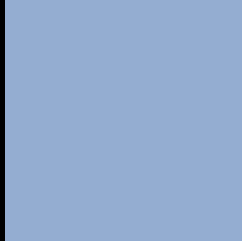
Large Text (above 18pt) WCAG AA × Fail

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 38.6649, 40.7865, 66.1563 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

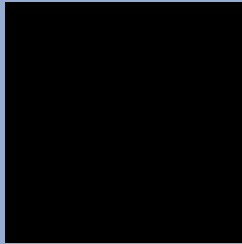
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

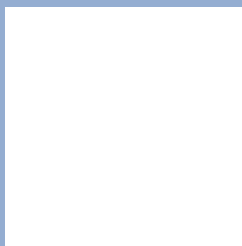
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.6649, 40.7865, 66.1563

Background



This preview shows how black text looks on a background with the XYZ color 38.6649, 40.7865, 66.1563.

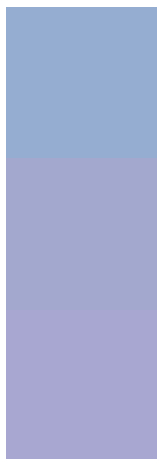


This preview shows how white text looks on a background with the XYZ color 38.6649, 40.7865,

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

38.6649, 40.7865, 66.1563

Protanopia

40.4328, 40.6187, 64.1017

Deuteranopia

41.3879, 40.5061, 66.6098



Tritanopia

36.3212, 40.6977, 54.6563

Trichromacy



Original Color

38.6649, 40.7865, 66.1563

Protanomaly

39.7378, 40.5235, 64.7589

Deuteranomaly

40.3180, 40.5027, 66.6656

Tritanomaly

37.0851, 40.7109, 58.7267

Monochromacy



Original Color

38.6649, 40.7865, 66.1563

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

38.1149, 40.2679, 51.1110

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.6649, 40.7865, 66.1563 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(148, 173, 209)` looks like.

```
.text, #text, p{  
    color:rgb(148, 173, 209)  
}
```

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(148, 173, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 173, 209) }
```

Border

The CSS property to change the border of an element to XYZ 38.6649, 40.7865, 66.1563 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(148, 173, 209) }
```


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

```
.border{ border-color:rgb(148, 173, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 173, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 173, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 173, 209);  
box-shadow:4px 4px 4px 4px rgb(148, 173,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 38.6649, 40.7865, 66.1563 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 173, 209) }
```

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

```
.background{ background-color: rgb(148,  
173, 209) }
```

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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