

Converting Colors

XYZ(36.8761, 38.7895, 62.5389)

Have a look what the booklet for
XYZ(36.8761, 38.7895, 62.5389)
contains.

XYZ(36.9411, 38.8466, 62.6779)	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(36.9411, 38.8466,
62.6779)**

Conversions

Conversions Part 1

Format	Color
Hex	92A9CC
RGB	146, 169, 204
RGB Percent	57%, 66%, 80%
CMY	0.4274, 0.3372, 0.2000
CMYK	0.28, 0.17, 0.00, 0.20
HSL	216°, 36%, 69%
HSV	216°, 28%, 80%
XYZ	36.9411, 38.8466, 62.6779
YIQ	166.1130, -24.9430, 6.0090

Conversions

Conversions Part 2

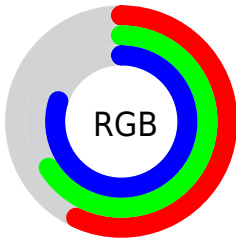
Format	Color
R _Y B	146, 162, 204
Decimal	9611724
CIE Lab	68.64, 0.06, -20.44
CIE LCh	69, 20.442, 270.171
Yxy	38.8466, 0.2668, 0.2806
Android (android.graphics.Color)	4287801804 (0xFF92A9CC)
YUV	166.1130, 18.6783, -17.6391
Hunter-Lab	62.3270, -3.2758, -15.9948

Details

The XYZ color **36.9411, 38.8466, 62.6779** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **46.6145, 47.9607, 33.9956**, and the grayscale version is **36.2223, 38.1087, 41.5003**.

A 20% lighter version of the original color is **68.7930, 72.9488, 105.0625**, and **16.4824, 17.3043, 31.3255** is the 20% darker color. If you saturate the color by 10%, you get **31.4501, 32.7755, 61.7961**, and if you desaturate by 10%, it is **43.2973, 45.6856, 63.6636**.

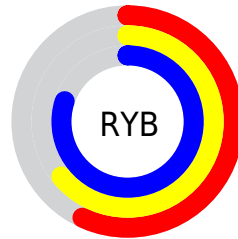
Distribution



Red (57%)

Green (66%)

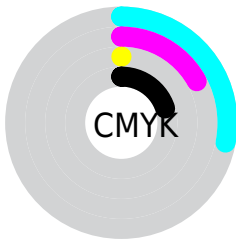
Blue (80%)



Red (57%)

Yellow (64%)

Blue (80%)

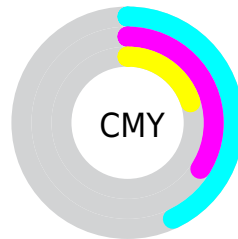


Cyan (28%)

Magenta (17%)

Yellow (0%)

Black (20%)



Cyan (43%)

Magenta (34%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.9411, 38.8466, 62.6779 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 36.9411, 38.8466, 62.6779 by changing the saturation by 10% instead.

■ 36.9411, 38.8466,
62.6779

■ 36.9411, 38.8466,
62.6779

324.4154,
341.2379, 452.4753

■ 25.3354, 26.6404,
45.1414

■ 69.7966, 73.4039,
110.2858

■ 16.4571, 17.3033,
31.2250

■ 91.7771, 96.5238,
141.1942

■ 9.9411, 10.4510,
20.5104

117.9465,
124.0505, 177.3970

■ 5.4219, 5.6990,
12.5788

148.6702,
156.3682, 219.3126

■ 2.5341, 2.6629,
7.0119

184.3137,
193.8614, 267.3598

■ 0.9125, 0.9584,
3.3910

225.2421,

■ 0.0000, 0.0000,

236.9145, 321.9569

1.2976

271.8209,
285.9118, 383.5226

■ 0.0000, 0.0000,
0.0598

■ 0.0000, 0.0000,
0.0000

■ 36.9411, 38.8466,
62.6779

■ 36.9411, 38.8466,
62.6779

■ 31.4501, 32.7755,
61.7961

■ 43.2973, 45.6856,
63.6636

■ 26.7802, 27.4382,
61.0121

■ 50.5525, 53.3157,
64.7540

■ 22.8889, 22.8043,
60.3227

■ 58.7432, 61.7647,
65.9531

■ 19.7279, 18.8395,
59.7240

■ 67.9027, 71.0577,
67.2641

■ 17.2432, 15.5056,
59.2115

■ 78.0625, 81.2185,
68.6898

■ 15.3717, 12.7595,
58.7801

■ 84.1487, 89.6386,
69.9943

■ 14.0199, 10.5416,
58.4232

■ 87.8992, 97.1397,
71.2445

■ 13.8344, 10.2301,
58.3729

Harmonies

Analogous

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



33.9207, 38.8466, 59.6668



36.9411, 38.8466, 62.6779



40.1304, 38.8466, 59.5999

Triad

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



36.9411, 38.8466, 62.6779



42.5522, 38.8466, 33.9782



31.7959, 38.8466, 34.0578

Complementary

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



36.9411, 38.8466, 62.6779



46.6145, 47.9607, 33.9956

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.



33.8903, 38.8466, 28.7165



36.9411, 38.8466, 62.6779



40.0965, 38.8466, 28.6755

Square

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



36.9411, 38.8466, 62.6779



43.4831, 38.8466, 42.2442



36.9040, 38.8466, 26.8964



31.0574, 38.8466, 42.3505

Rectangle

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



36.9411, 38.8466, 62.6779



41.8968, 38.8466, 54.7338



36.9040, 38.8466, 26.8964



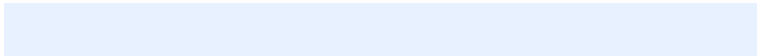
32.3584, 38.8466, 31.9037

Sweetspot

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



36.9423, 38.8481, 62.6788



82.8451, 87.3845, 107.1082



41.7678, 52.6255, 51.5658



17.3360, 18.2901, 22.8666



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.



36.9423, 38.8481, 62.6788



55.5437, 58.1403, 102.9025



34.0904, 31.5745, 61.4252



10.9607, 11.5618, 14.2243



8.7927, 6.6093, 36.7686



0.5271, 0.4880, 1.9214

Inverse Universe

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



42.3432, 36.2607, 42.3051



66.0399, 53.6729, 63.1816



50.1234, 57.2948, 35.6123



11.3935, 11.2861, 12.6069



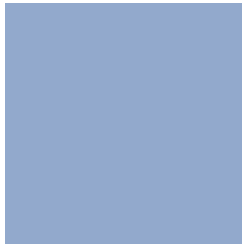
16.6490, 8.4702, 5.8705



0.8960, 0.4518, 0.4983

Previews

White Background



This preview shows how the XYZ color 36.9411, 38.8466, 62.6779 looks on a white background.

Color Contrast Check

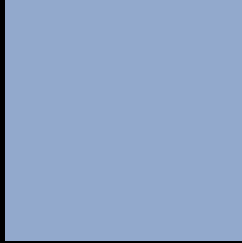
Large Text (above 18pt) WCAG AA × Fail

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 36.9411, 38.8466, 62.6779 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

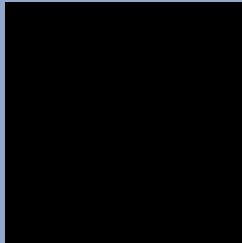
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.9411, 38.8466, 62.6779

Background



This preview shows how black text looks on a background with the XYZ color 36.9411, 38.8466, 62.6779.



This preview shows how white text looks on a background with the XYZ color 36.9411, 38.8466,

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

36.9411, 38.8466, 62.6779

Protanopia

38.5950, 38.9076, 61.3529

Deuteranopia

39.6047, 38.8512, 63.1692



Tritanopia

34.7708, 38.8010, 52.1111

Trichromacy



Original Color

36.9411, 38.8466, 62.6779

Protanomaly

37.9246, 38.8193, 61.9939

Deuteranomaly

38.5603, 38.8483, 63.2237

Tritanomaly

35.5162, 38.8157, 56.0724

Monochromacy



Original Color

36.9411, 38.8466, 62.6779

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

36.3550, 38.3036, 48.6572

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.9411, 38.8466, 62.6779 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(146, 169, 204)` looks like.

```
.text, #text, p{  
    color:rgb(146, 169, 204)  
}
```

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(146, 169, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 169, 204) }
```

Border

The CSS property to change the border of an element to XYZ 36.9411, 38.8466, 62.6779 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(146, 169, 204) }
```


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

```
.border{ border-color:rgb(146, 169, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 169, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 169, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 169, 204);  
box-shadow:4px 4px 4px 4px rgb(146, 169,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 36.9411, 38.8466, 62.6779 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 169, 204) }
```

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

```
.background{ background-color: rgb(146,  
169, 204) }
```

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