

Converting Colors

XYZ(36.4223, 38.4595, 63.8963)

Have a look what the booklet for
XYZ(36.4223, 38.4595, 63.8963)
contains.

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Color

**XYZ(36.4839, 38.5829,
63.9169)**

Conversions

Conversions Part 1

Format	Color
Hex	8EA9CE
RGB	142, 169, 206
RGB Percent	56%, 66%, 81%
CMY	0.4431, 0.3372, 0.1922
CMYK	0.31, 0.18, 0.00, 0.19
HSL	215°, 40%, 68%
HSV	215°, 31%, 81%
XYZ	36.4839, 38.5829, 63.9169
YIQ	165.1450, -27.9690, 5.7830

Conversions

Conversions Part 2

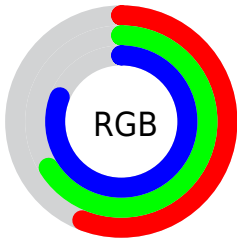
Format	Color
R _Y B	142, 161, 206
Decimal	9349582
CIE Lab	68.45, -0.62, -21.86
CIE LCh	68, 21.870, 268.368
Yxy	38.5829, 0.2625, 0.2776
Android (android.graphics.Color)	4287539662 (0xFF8EA9CE)
YUV	165.1450, 20.1415, -20.2982
Hunter-Lab	62.1151, -3.8579, -17.5292

Details

The XYZ color **36.4839, 38.5829, 63.9169** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **46.4570, 47.3158, 32.2768**, and the grayscale version is **35.7507, 37.6125, 40.9601**.

A 20% lighter version of the original color is **67.7316, 72.4016, 105.0128**, and **16.2452, 17.1632, 32.1624** is the 20% darker color. If you saturate the color by 10%, you get **31.1553, 32.6961, 63.0621**, and if you desaturate by 10%, it is **42.6699, 45.2131, 64.8713**.

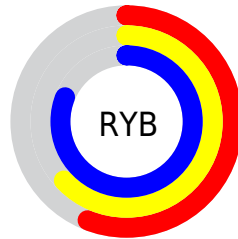
Distribution



Red (56%)

Green (66%)

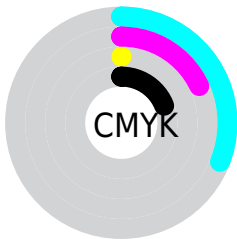
Blue (81%)



Red (56%)

Yellow (63%)

Blue (81%)

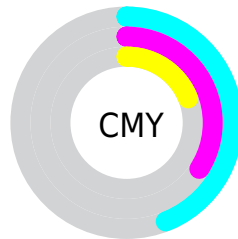


Cyan (31%)

Magenta (18%)

Yellow (0%)

Black (19%)



Cyan (44%)

Magenta (34%)

Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.4839, 38.5829, 63.9169 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 36.4839, 38.5829, 63.9169 by changing the saturation by 10% instead.

■ 36.4839, 38.5829,
63.9169

■ 36.4839, 38.5829,
63.9169

322.4651,
340.1139, 457.0887

■ 24.9800, 26.4354,
46.1376

■ 69.0973, 73.0007,
112.0896

■ 16.1908, 17.1497,
32.0050

■ 90.9375, 96.0398,
143.3200

■ 9.7510, 10.3412,
21.1005

116.9538,
123.4782, 179.8713

■ 5.2952, 5.6258,
13.0055

147.5117,
155.7003, 222.1619

■ 2.4580, 2.6189,
7.3016

182.9764,
193.0906, 270.6104

■ 0.8741, 0.9362,
3.5701

223.7133,

■ 0.0000, 0.0000,

236.0333, 325.6354

1.3926

270.0878,
284.9130, 387.6553

■ 0.0000, 0.0000,
0.1359

■ 0.0000, 0.0000,
0.0000

■ 36.4839, 38.5829,
63.9169

■ 36.4839, 38.5829,
63.9169

■ 31.1553, 32.6961,
63.0621

■ 42.6699, 45.2131,
64.8713

■ 26.6391, 27.5189,
62.3009

■ 49.7481, 52.6096,
65.9259

■ 22.8914, 23.0212,
61.6303

■ 57.7557, 60.7998,
67.0847

■ 19.8622, 19.1685,
61.0463

■ 66.7266, 69.8084,
68.3507

■ 17.4950, 15.9227,
60.5445

■ 76.6929, 79.6589,
69.7268

■ 15.7232, 13.2398,
60.1201

■ 83.6759, 88.3067,
71.0279

■ 14.5415, 11.2579,
59.7998

■ 87.3067, 95.5682,
72.2382

■ 88.1407, 97.2363,
72.5162

Harmonies

Analogous

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



33.3132, 38.5829, 60.2778



36.4839, 38.5829, 63.9169



39.9030, 38.5829, 60.9665

Triad

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



36.4839, 38.5829, 63.9169



42.8012, 38.5829, 33.6423



31.3268, 38.5829, 32.8432

Complementary

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



36.4839, 38.5829, 63.9169



46.4570, 47.3158, 32.2768

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.



33.6201, 38.5829, 27.4573



36.4839, 38.5829, 63.9169



40.2491, 38.5829, 27.8654

Square

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



36.4839, 38.5829, 63.9169



43.6841, 38.5829, 42.5518



36.8605, 38.5829, 25.7861



30.4533, 38.5829, 41.4732

Rectangle

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



36.4839, 38.5829, 63.9169



41.8376, 38.5829, 55.8837



36.8605, 38.5829, 25.7861



31.9499, 38.5829, 30.6468

Sweetspot

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



36.4851, 38.5844, 63.9178



83.0174, 87.7292, 107.1657



41.2904, 53.1194, 50.3379



17.3783, 18.3748, 22.8807



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.



36.4851, 38.5844, 63.9178



53.4373, 56.2804, 102.6545



32.7163, 29.9390, 62.4477



10.9842, 11.6089, 14.2322



9.0456, 7.1153, 36.8529



0.5412, 0.5162, 1.9261

Inverse Universe

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



42.2891, 35.3336, 42.1288



64.4024, 50.8190, 61.3374



51.2397, 58.6158, 34.2058



11.4054, 11.2909, 12.6695



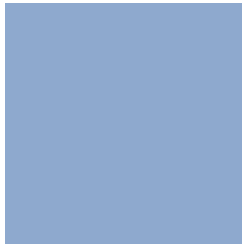
16.7767, 8.5213, 6.5429



0.9031, 0.4547, 0.5358

Previews

White Background



This preview shows how the XYZ color 36.4839, 38.5829, 63.9169 looks on a white background.

Color Contrast Check

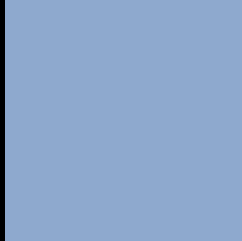
Large Text (above 18pt) WCAG AA × Fail

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 36.4839, 38.5829, 63.9169 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

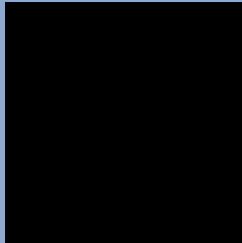
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

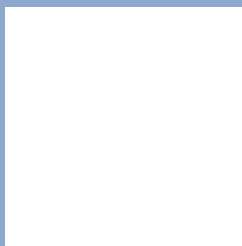
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.4839, 38.5829, 63.9169

Background



This preview shows how black text looks on a background with the XYZ color 36.4839, 38.5829, 63.9169.



This preview shows how white text looks on a background with the XYZ color 36.4839, 38.5829,

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

36.4839, 38.5829, 63.9169

Protanopia

38.3352, 38.4912, 61.9090

Deuteranopia

39.2600, 38.3808, 64.3705



Tritanopia

34.0967, 38.4535, 52.0796

Trichromacy



Original Color

36.4839, 38.5829, 63.9169

Protanomaly

37.4842, 38.3075, 62.5452

Deuteranomaly

38.2352, 38.3838, 64.4251

Tritanomaly

34.8360, 38.4650, 56.0405

Monochromacy



Original Color

36.4839, 38.5829, 63.9169

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

35.7791, 37.7358, 48.5780

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.4839, 38.5829, 63.9169 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(142, 169, 206)` looks like.

```
.text, #text, p{  
    color:rgb(142, 169, 206)  
}
```

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(142, 169, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 169, 206) }
```

Border

The CSS property to change the border of an element to XYZ 36.4839, 38.5829, 63.9169 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(142, 169, 206) }
```


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

```
.border{ border-color:rgb(142, 169, 206) }
```

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

Here you see how a box with a 4 pixel rgb(142, 169, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 169, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 169, 206);  
box-shadow:4px 4px 4px 4px rgb(142, 169,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 36.4839, 38.5829, 63.9169 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 169, 206) }
```

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

```
.background{ background-color: rgb(142,  
169, 206) }
```

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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