

Converting Colors

XYZ(36.4204, 38.2610, 64.4970)

Have a look what the booklet for
XYZ(36.4204, 38.2610, 64.4970)
contains.

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Color

**XYZ(36.4204, 38.2610,
64.4970)**

Conversions

Conversions Part 1

Format	Color
Hex	8EA8CF
RGB	142, 168, 207
RGB Percent	56%, 66%, 81%
CMY	0.4431, 0.3412, 0.1882
CMYK	0.31, 0.19, 0.00, 0.19
HSL	216°, 40%, 68%
HSV	216°, 31%, 81%
XYZ	36.4204, 38.2610, 64.4970
YIQ	164.6720, -28.0150, 6.6170

Conversions

Conversions Part 2

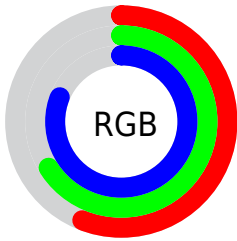
Format	Color
RYB	142, 161, 207
Decimal	9349327
CIELab	68.21, 0.18, -22.77
CIELCh	68, 22.773, 270.456
Yxy	38.2610, 0.2617, 0.2749
Android (android.graphics.Color)	4287539407 (0xFF8EA8CF)
YUV	164.6720, 20.8677, -19.8833
Hunter-Lab	61.8555, -3.1466, -18.5231

Details

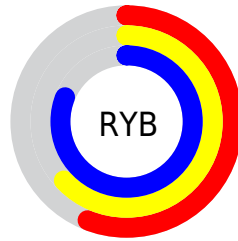
The XYZ color **36.4204, 38.2610, 64.4970** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **47.1391, 48.2666, 32.4242**, and the grayscale version is **35.5210, 37.3709, 40.6969**.

A 20% lighter version of the original color is **67.4636, 71.8657, 104.9235**, and **16.2116, 16.9643, 32.5570** is the 20% darker color. If you saturate the color by 10%, you get **31.0089, 32.2293, 63.6186**, and if you desaturate by 10%, it is **42.7129, 45.0738, 65.4810**.

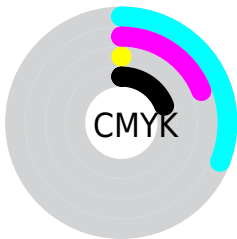
Distribution



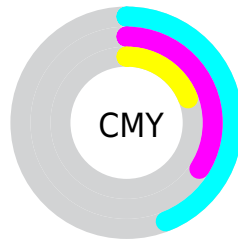
- Red (56%)
- Green (66%)
- Blue (81%)



- Red (56%)
- Yellow (63%)
- Blue (81%)



- Cyan (31%)
- Magenta (19%)
- Yellow (0%)
- Black (19%)



- Cyan (44%)
- Magenta (34%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.4204, 38.2610, 64.4970 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 36.4204, 38.2610, 64.4970 by changing the saturation by 10% instead.

■ 36.4204, 38.2610,
64.4970

■ 36.4204, 38.2610,
64.4970

322.1936,
338.7383, 459.2388

■ 24.9307, 26.1853,
46.6046

■ 69.0001, 72.5080,
112.9327

■ 16.1539, 16.9623,
32.3711

■ 90.8208, 95.4481,
144.3131

■ 9.7246, 10.2076,
21.3779

116.8158,
122.7785, 181.0266

■ 5.2776, 5.5368,
13.2066

147.3505,
154.8836, 223.4916

■ 2.4475, 2.5656,
7.4386

182.7903,
192.1477, 272.1269

■ 0.8688, 0.9094,
3.6553

223.5005,

■ 0.0000, 0.0000,

234.9552, 327.3508

1.4382

269.8465,
283.6906, 389.5819

■ 0.0000, 0.0000,
0.1712

■ 0.0000, 0.0000,
0.0000

■ 36.4204, 38.2610,
64.4970

■ 36.4204, 38.2610,
64.4970

■ 31.0089, 32.2293,
63.6186

■ 42.7129, 45.0738,
65.4810

■ 26.4321, 26.9430,
62.8395

■ 49.9222, 52.6922,
66.5715

■ 22.6446, 22.3702,
62.1565

■ 58.0868, 61.1452,
67.7728

■ 19.5950, 18.4744,
61.5653

■ 67.2416, 70.4590,
69.0880

■ 17.2248, 15.2151,
61.0611

■ 77.4197, 80.6584,
70.5203

■ 15.4654, 12.5458,
60.6386

■ 84.4101, 89.5801,
71.8739

■ 14.3409, 10.6616,
60.3342

■ 88.2438, 97.2475,
73.1518

■ 88.2626, 97.2850,
73.1581

Harmonies

Analogous

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



33.0942, 38.2610, 61.1465



36.4204, 38.2610, 64.4970



39.9468, 38.2610, 60.9454

Triad

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



36.4204, 38.2610, 64.4970



42.5911, 38.2610, 32.4927



30.7303, 38.2610, 32.7220

Complementary

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



36.4204, 38.2610, 64.4970



47.1391, 48.2666, 32.4242

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.



33.0057, 38.2610, 26.9435



36.4204, 38.2610, 64.4970



39.8465, 38.2610, 26.8271

Square

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



36.4204, 38.2610, 64.4970



43.6488, 38.2610, 41.5040



36.3115, 38.2610, 24.9713



29.9419, 38.2610, 41.8158

Rectangle

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



36.4204, 38.2610, 64.4970



41.9036, 38.2610, 55.4281



36.3115, 38.2610, 24.9713



31.3390, 38.2610, 30.3840

Sweetspot

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



36.4216, 38.2625, 64.4979



82.8685, 87.4313, 107.1160



41.6988, 53.6691, 51.2979



17.3417, 18.3016, 22.8685



0.0000, 0.0000, 0.0000



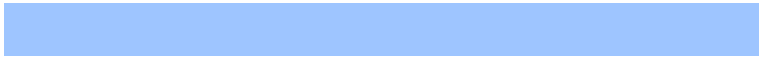
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



36.4216, 38.2625, 64.4979



52.1051, 54.3690, 102.3558



33.0440, 30.0938, 63.0992



11.5462, 12.1827, 14.9866



9.1223, 6.8912, 38.0418



0.5868, 0.5389, 2.1526

Inverse Universe

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



42.4740, 35.4396, 41.6492



63.5461, 49.7727, 58.9981



51.4406, 59.0779, 34.2842



12.0019, 11.8855, 13.2856



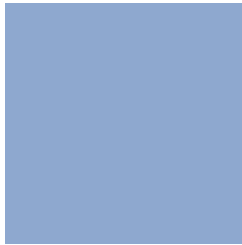
17.2352, 8.7669, 6.1449



1.0024, 0.5057, 0.5476

Previews

White Background



This preview shows how the XYZ color 36.4204, 38.2610, 64.4970 looks on a white background.

Color Contrast Check

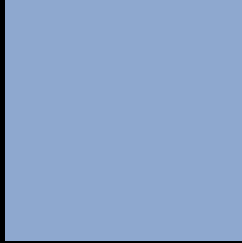
Large Text (above 18pt) WCAG AA × Fail

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 36.4204, 38.2610, 64.4970 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

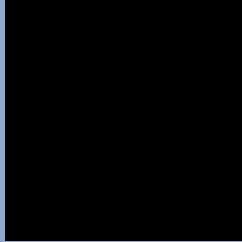
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

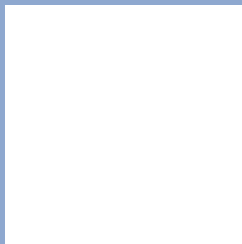
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.4204, 38.2610, 64.4970

Background



This preview shows how black text looks on a background with the XYZ color 36.4204, 38.2610, 64.4970.



This preview shows how white text looks on a background with the XYZ color 36.4204, 38.2610,

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

36.4204, 38.2610, 64.4970

Protanopia

38.0792, 38.0787, 62.4697

Deuteranopia

38.9796, 38.2220, 64.9977



Tritanopia

33.9320, 38.3686, 52.0718

Trichromacy



Original Color

36.4204, 38.2610, 64.4970

Protanomaly

37.4235, 37.9934, 63.1186

Deuteranomaly

37.9772, 38.2366, 65.0533

Tritanomaly

34.9480, 38.5098, 56.6301

Monochromacy



Original Color

36.4204, 38.2610, 64.4970

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 36.4204, 38.2610, 64.4970 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, 168, 207)` looks like.

```
.text, #text, p{  
    color:rgb(142, 168, 207)  
}
```

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, 168, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 168, 207) }
```

Border

The CSS property to change the border of an element to XYZ 36.4204, 38.2610, 64.4970 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, 168, 207) }
```


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

```
.border{ border-color:rgb(142, 168, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 168, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 168, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 168, 207);  
box-shadow:4px 4px 4px 4px rgb(142, 168,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 36.4204, 38.2610, 64.4970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 168, 207) }
```

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

```
.background{ background-color: rgb(142,  
168, 207) }
```

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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