

Converting Colors

XYZ(37.6103, 41.8020, 58.5200)

Have a look what the booklet for
XYZ(37.6103, 41.8020, 58.5200)
contains.

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Color

**XYZ(37.5613, 41.8461,
58.3220)**

Conversions

Conversions Part 1

Format	Color
Hex	91B2C4
RGB	145, 178, 196
RGB Percent	57%, 70%, 77%
CMY	0.4314, 0.3019, 0.2314
CMYK	0.26, 0.09, 0.00, 0.23
HSL	201°, 30%, 67%
HSV	201°, 26%, 77%
XYZ	37.5613, 41.8461, 58.3220
YIQ	170.1850, -25.4460, -1.3980

Conversions

Conversions Part 2

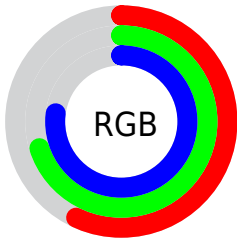
Format	Color
R_{YB}	145, 165, 196
Decimal	9548484
CIE _{Lab}	70.76, -7.07, -12.83
CIE _{LCh}	71, 14.648, 241.158
Yxy	41.8461, 0.2727, 0.3038
Android (android.graphics.Color)	4287738564 (0xFF91B2C4)
YUV	170.1850, 12.7268, -22.0872
Hunter-Lab	64.6886, -9.5593, -8.1728

Details

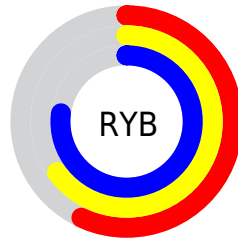
The XYZ color **37.5613, 41.8461, 58.3220** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **40.9735, 39.9748, 32.3455**, and the grayscale version is **38.2494, 40.2413, 43.8228**.

A 20% lighter version of the original color is **70.9719, 78.2168, 104.2853**, and **16.7303, 18.9474, 28.3666** is the 20% darker color. If you saturate the color by 10%, you get **33.0596, 37.5345, 57.7277**, and if you desaturate by 10%, it is **42.7308, 46.6071, 58.9692**.

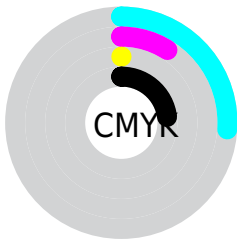
Distribution



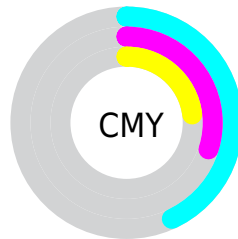
- Red (57%)
- Green (70%)
- Blue (77%)



- Red (57%)
- Yellow (65%)
- Blue (77%)



- Cyan (26%)
- Magenta (9%)
- Yellow (0%)
- Black (23%)



- Cyan (43%)
- Magenta (30%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.5613, 41.8461, 58.3220 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 37.5613, 41.8461, 58.3220 by changing the saturation by 10% instead.

■ 37.5613, 41.8461,
58.3220

■ 37.5613, 41.8461,
58.3220

327.0478,
353.8446, 436.0164

■ 25.8180, 28.9808,
41.6512

■ 70.7435, 77.9667,
103.9110

■ 16.8195, 19.0663,
28.5047

■ 92.9131, 101.9907,
133.6663

■ 10.2004, 11.7182,
18.4641

119.2889,
130.5031, 168.6201

■ 5.5953, 6.5521,
11.1108

150.2362,
163.8883, 209.1910

■ 2.6389, 3.1836,
6.0263

186.1204,
202.5306, 255.7976

■ 0.9658, 1.2283,
2.7920

227.3068,

■ 0.0000, 0.0847,

246.8145, 308.8583

0.9895

274.1608,
297.1244, 368.7917

■ 0.0000, 0.0000,
0.0000

■ 37.5613, 41.8461,
58.3220

■ 37.5613, 41.8461,
58.3220

■ 33.0596, 37.5345,
57.7277

■ 42.7308, 46.6071,
58.9692

■ 29.1902, 33.6494,
57.1818

■ 48.5937, 51.8290,
59.6681

■ 25.9201, 30.1732,
56.6832

■ 55.1788, 57.5291,
60.4213

■ 23.2115, 27.0849,
56.2298

■ 62.5120, 63.7222,
61.2302

■ 21.0218, 24.3609,
55.8194

■ 70.6180, 70.4225,
62.0962

■ 19.3017, 21.9741,
55.4494

■ 76.6675, 76.1727,
62.8873

■ 17.9891, 19.8910,
55.1165

■ 78.5153, 79.8682,
63.5032

■ 17.5316, 19.1209,
54.9920

■ 80.4390, 83.7157,
64.1444

■ 82.4395, 87.7167,
64.8113

Harmonies

Analogous

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



35.9067, 41.8461, 52.8453



37.5613, 41.8461, 58.3220



39.8680, 41.8461, 60.2980

Triad

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



37.5613, 41.8461, 58.3220



44.6314, 41.8461, 45.2933



37.4040, 41.8461, 35.0424

Complementary

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



37.5613, 41.8461, 58.3220



40.9735, 39.9748, 32.3455

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.



39.6791, 41.8461, 33.4487



37.5613, 41.8461, 58.3220



43.9084, 41.8461, 38.9830

Square

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



37.5613, 41.8461, 58.3220



44.0093, 41.8461, 52.3298



42.0708, 41.8461, 34.8158



35.8185, 41.8461, 39.4068

Rectangle

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



37.5613, 41.8461, 58.3220



41.4843, 41.8461, 59.2202



42.0708, 41.8461, 34.8158



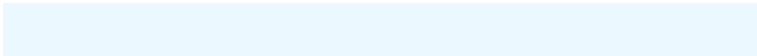
38.1103, 41.8461, 34.1861

Sweetspot

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



37.5626, 41.8478, 58.3230



85.6852, 91.8265, 107.8159



38.0153, 48.1394, 41.8691



17.9839, 19.3393, 23.0350



0.0000, 0.0000, 0.0000



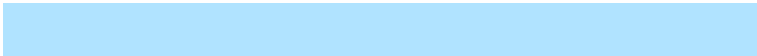
20.3446, 21.4041, 23.3091

Same Dimension

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



37.5626, 41.8478, 58.3230



63.4405, 71.4388, 105.0531



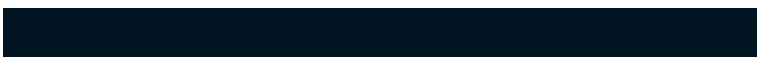
32.9759, 32.6744, 56.7941



10.0598, 10.8109, 12.8413



11.3481, 12.4527, 35.3621



0.5532, 0.6637, 1.5488

Inverse Universe

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



40.9273, 35.2020, 46.7589



70.6349, 57.8428, 80.1895



45.9347, 49.8971, 33.9992



10.3415, 10.1852, 11.8887



17.1240, 8.5393, 13.8307



0.7716, 0.3816, 0.7646

Previews

White Background



This preview shows how the XYZ color 37.5613, 41.8461, 58.3220 looks on a white background.

Color Contrast Check

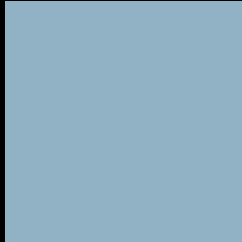
Large Text (above 18pt) WCAG AA × Fail

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 37.5613, 41.8461, 58.3220 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

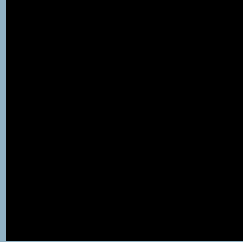
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

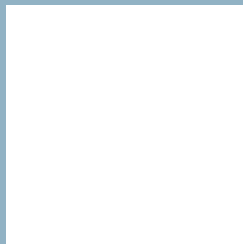
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.5613, 41.8461, 58.3220

Background



This preview shows how black text looks on a background with the XYZ color 37.5613, 41.8461, 58.3220.



This preview shows how white text looks on a background with the XYZ color 37.5613, 41.8461,

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

37.5613, 41.8461, 58.3220

Protanopia

40.6549, 41.4776, 55.7324

Deuteranopia

42.5558, 41.5475, 59.2026



Tritanopia

37.2473, 42.0197, 56.5996

Trichromacy



Original Color

37.5613, 41.8461, 58.3220

Protanomaly

39.4596, 41.6994, 56.4211

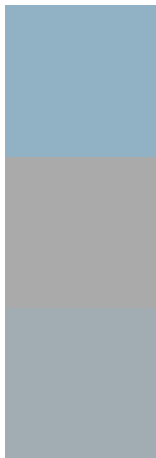
Deuteranomaly

40.5565, 41.6433, 58.7237

Tritanomaly

37.3593, 42.0645, 57.1892

Monochromacy



Original Color

37.5613, 41.8461, 58.3220

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

37.7782, 40.7189, 48.5162

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.5613, 41.8461, 58.3220 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(145, 178, 196)` looks like.

```
.text, #text, p{  
    color:rgb(145, 178, 196)  
}
```

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(145, 178, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 178, 196) }
```

Border

The CSS property to change the border of an element to XYZ 37.5613, 41.8461, 58.3220 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(145, 178, 196) }
```


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

```
.border{ border-color:rgb(145, 178, 196) }
```

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

Here you see how a box with a 4 pixel rgb(145, 178, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 178, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 178, 196);  
box-shadow:4px 4px 4px 4px rgb(145, 178,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 37.5613, 41.8461, 58.3220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 178, 196) }
```

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

```
.background{ background-color: rgb(145,  
178, 196) }
```

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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