

Converting Colors

XYZ(37.2766, 43.3157, 58.5055)

Have a look what the booklet for
XYZ(37.2766, 43.3157, 58.5055)
contains.

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Color

**XYZ(37.2138, 43.1709,
58.5960)**

Conversions

Conversions Part 1

Format	Color
Hex	89B7C4
RGB	137, 183, 196
RGB Percent	54%, 72%, 77%
CMY	0.4627, 0.2823, 0.2314
CMYK	0.30, 0.07, 0.00, 0.23
HSL	193°, 33%, 65%
HSV	193°, 30%, 77%
XYZ	37.2138, 43.1709, 58.5960
YIQ	170.7280, -31.5890, -5.7090

Conversions

Conversions Part 2

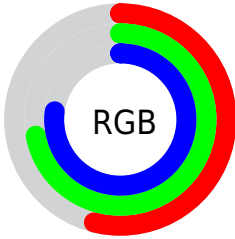
Format	Color
RYB	137, 163, 196
Decimal	9025476
CIELab	71.67, -12.11, -11.52
CIELCh	72, 16.714, 223.584
Yxy	43.1709, 0.2678, 0.3106
Android (android.graphics.Color)	4287215556 (0xFF89B7C4)
YUV	170.7280, 12.4591, -29.5795
Hunter-Lab	65.7046, -13.8840, -6.8822

Details

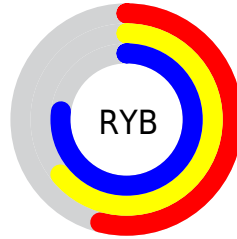
The XYZ color **37.2138, 43.1709, 58.5960** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **38.1871, 35.3548, 28.4793**, and the grayscale version is **38.5242, 40.5304, 44.1376**.

A 20% lighter version of the original color is **70.3344, 80.0313, 104.6691**, and **16.6114, 19.8496, 28.5470** is the 20% darker color. If you saturate the color by 10%, you get **33.4114, 39.9098, 58.1677**, and if you desaturate by 10%, it is **41.6298, 46.7910, 59.0627**.

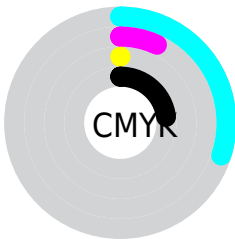
Distribution



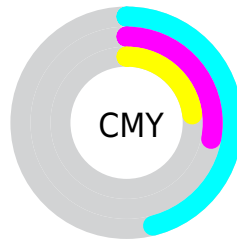
- Red (54%)
- Green (72%)
- Blue (77%)



- Red (54%)
- Yellow (64%)
- Blue (77%)



- Cyan (30%)
- Magenta (7%)
- Yellow (0%)
- Black (23%)



- Cyan (46%)
- Magenta (28%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.2138, 43.1709, 58.5960 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 37.2138, 43.1709, 58.5960 by changing the saturation by 10% instead.

■ 37.2138, 43.1709,
58.5960

■ 37.2138, 43.1709,
58.5960

325.5747,
359.3141, 437.0632

■ 25.5475, 30.0192,
41.8701

■ 70.2132, 79.9687,
104.3136

■ 16.6163, 19.8532,
28.6748

■ 92.2770, 104.3836,
134.1424

■ 10.0549, 12.2884,
18.5915

■ 118.5373,
133.3217, 169.1759

■ 5.4979, 6.9404,
11.2017

149.3596,
167.1674, 209.8327

■ 2.5800, 3.4248,
6.0868

185.1091,
206.3051, 256.5313

■ 0.9358, 1.3573,
2.8283

226.1512,

■ 0.0000, 0.1850,

251.1192, 309.6902

1.0076

272.8513,
301.9941, 369.7280

■ 0.0000, 0.0000,
0.0000

■ 37.2138, 43.1709,
58.5960

■ 37.2138, 43.1709,
58.5960

■ 33.4114, 39.9098,
58.1677

■ 41.6298, 46.7910,
59.0627

■ 30.1868, 36.9857,
57.7732

■ 46.6849, 50.7805,
59.5663

■ 27.5065, 34.3820,
57.4119

■ 52.4080, 55.1556,
60.1092

■ 25.3316, 32.0783,
57.0819

■ 58.8249, 59.9300,
60.6925

■ 23.6180, 30.0516,
56.7810

■ 65.9601, 65.1166,
61.3176

■ 22.3136, 28.2745,
56.5068

■ 73.8368, 70.7278,
61.9855

■ 21.3260, 26.7097,
56.2568

■ 75.0559, 72.9495,
62.3501

■ 76.1581, 75.1539,
62.7175

■ 77.2894, 77.4165,
63.0946

Harmonies

Analogous

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



35.9647, 43.1709, 50.7640



37.2138, 43.1709, 58.5960



39.5131, 43.1709, 63.6055

Triad

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



37.2138, 43.1709, 58.5960



46.4800, 43.1709, 51.5516



39.7671, 43.1709, 33.4198

Complementary

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



37.2138, 43.1709, 58.5960



38.1871, 35.3548, 28.4793

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.



42.5907, 43.1709, 33.5790



37.2138, 43.1709, 58.5960



46.5557, 43.1709, 43.4378

Square

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



37.2138, 43.1709, 58.5960



44.9018, 43.1709, 59.2295



45.1042, 43.1709, 37.0545



37.3924, 43.1709, 36.5914

Rectangle

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



37.2138, 43.1709, 58.5960



41.3739, 43.1709, 64.3487



45.1042, 43.1709, 37.0545



40.6932, 43.1709, 33.0977

Sweetspot

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



37.2151, 43.1726, 58.5970



85.5132, 92.7206, 107.9976



35.5449, 46.9941, 35.9610



17.9939, 19.6060, 23.0859



0.0000, 0.0000, 0.0000



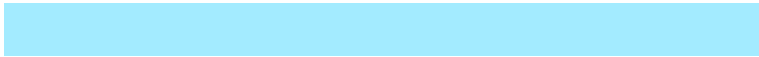
20.3446, 21.4041, 23.3091

Same Dimension

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



37.2151, 43.1726, 58.5970



62.8396, 74.3163, 105.6402



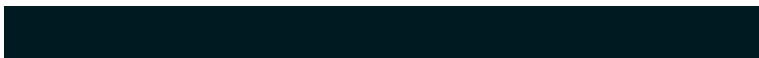
31.7901, 32.3226, 56.7887



10.1742, 11.0398, 12.8795



13.7686, 17.2936, 36.1689



0.6426, 0.8427, 1.5787

Inverse Universe

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



40.2589, 33.0470, 49.0586



69.3358, 53.5107, 85.1021



43.4581, 45.8967, 30.2363



10.3992, 10.2083, 12.1929



18.3457, 9.0280, 20.2644



0.8168, 0.3997, 1.0024

Previews

White Background



This preview shows how the XYZ color 37.2138, 43.1709, 58.5960 looks on a white background.

Color Contrast Check

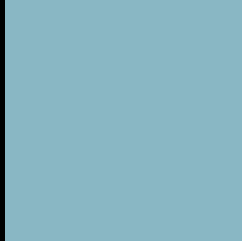
Large Text (above 18pt) WCAG AA × Fail

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 37.2138, 43.1709, 58.5960 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

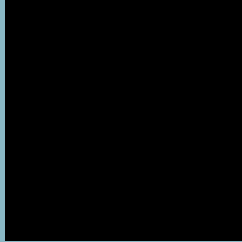
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.2138, 43.1709, 58.5960

Background



This preview shows how black text looks on a background with the XYZ color 37.2138, 43.1709, 58.5960.



This preview shows how white text looks on a background with the XYZ color 37.2138, 43.1709,

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

37.2138, 43.1709, 58.5960

Protanopia

41.8859, 42.9885, 54.8052

Deuteranopia

43.9278, 43.0731, 60.0315



Tritanopia

37.3281, 43.2166, 59.1976

Trichromacy



Original Color

37.2138, 43.1709, 58.5960

Protanomaly

39.9345, 42.8271, 56.0309

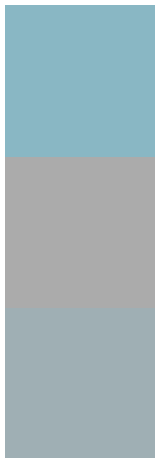
Deuteranomaly

41.0401, 42.7365, 59.5120

Tritanomaly

37.3281, 43.2166, 59.1976

Monochromacy



Original Color

37.2138, 43.1709, 58.5960

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

37.8663, 41.3262, 49.1610

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.2138, 43.1709, 58.5960 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(137, 183, 196)` looks like.

```
.text, #text, p{  
    color:rgb(137, 183, 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(137, 183, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 183, 196) }
```

Border

The CSS property to change the border of an element to XYZ 37.2138, 43.1709, 58.5960 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(137, 183, 196) }
```


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

```
.border{ border-color:rgb(137, 183, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 183, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 183, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 183, 196);  
box-shadow:4px 4px 4px 4px rgb(137, 183,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 37.2138, 43.1709, 58.5960 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 183, 196) }
```

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

```
.background{ background-color: rgb(137,  
183, 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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