

Converting Colors

XYZ(37.6718, 43.9144, 58.9245)

Have a look what the booklet for
XYZ(37.6718, 43.9144, 58.9245)
contains.

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Color

**XYZ(37.6293, 44.0018,
58.7345)**

Conversions

Conversions Part 1

Format	Color
Hex	89B9C4
RGB	137, 185, 196
RGB Percent	54%, 73%, 77%
CMY	0.4627, 0.2745, 0.2314
CMYK	0.30, 0.06, 0.00, 0.23
HSL	191°, 33%, 65%
HSV	191°, 30%, 77%
XYZ	37.6293, 44.0018, 58.7345
YIQ	171.9020, -32.1390, -6.7550

Conversions

Conversions Part 2

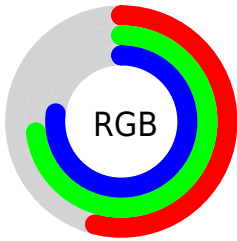
Format	Color
RYB	137, 163, 196
Decimal	9025988
CIELab	72.23, -13.16, -10.69
CIElCh	72, 16.953, 219.081
Yxy	44.0018, 0.2681, 0.3135
Android (android.graphics.Color)	4287216068 (0xFF89B9C4)
YUV	171.9020, 11.8803, -30.6091
Hunter-Lab	66.3339, -14.8263, -6.0639

Details

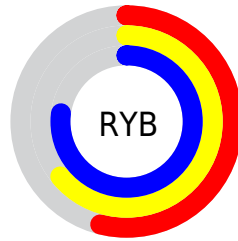
The XYZ color **37.6293, 44.0018, 58.7345** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **37.8708, 34.7221, 28.3740**, and the grayscale version is **39.1176, 41.1548, 44.8176**.

A 20% lighter version of the original color is **70.9231, 81.2089, 104.8653**, and **16.8801, 20.3868, 28.6366** is the 20% darker color. If you saturate the color by 10%, you get **33.9494, 40.9856, 58.3470**, and if you desaturate by 10%, it is **41.9151, 47.3616, 59.1579**.

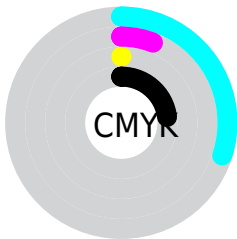
Distribution



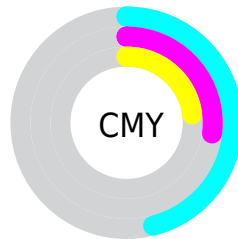
- Red (54%)
- Green (73%)
- Blue (77%)



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



- Cyan (30%)
- Magenta (6%)
- Yellow (0%)
- Black (23%)



- Cyan (46%)
- Magenta (27%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.6293, 44.0018, 58.7345 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 37.6293, 44.0018, 58.7345 by changing the saturation by 10% instead.

■ 37.6293, 44.0018,
58.7345

■ 37.6293, 44.0018,
58.7345

327.3355,
362.7156, 437.5918

■ 25.8710, 30.6719,
41.9808

■ 70.8472, 81.2205,
104.5170

■ 16.8593, 20.3492,
28.7608

■ 93.0374, 105.8780,
134.3829

■ 10.2289, 12.6491,
18.6559

■ 119.4358,
135.0803, 169.4567

■ 5.6144, 7.1874,
11.2476

150.4075,
169.2116, 210.1568

■ 2.6505, 3.5796,
6.1174

186.3180,
208.6564, 256.9018

■ 0.9718, 1.4413,
2.8467

227.5326,

■ 0.0000, 0.2468,

253.7991, 310.1103

1.0169

274.4166,
305.0240, 370.2008

■ 0.0000, 0.0000,
0.0000

■ 37.6293, 44.0018,
58.7345

■ 37.6293, 44.0018,
58.7345

■ 33.9494, 40.9856,
58.3470

■ 41.9151, 47.3616,
59.1579

■ 30.8397, 38.2913,
57.9909

■ 46.8323, 51.0752,
59.6155

■ 28.2667, 35.9024,
57.6654

■ 52.4096, 55.1587,
60.1097

■ 26.1919, 33.7988,
57.3687

■ 58.6728, 59.6256,
60.6418

■ 24.5710, 31.9575,
57.0987

■ 65.6462, 64.4886,
61.2129

■ 23.3521, 30.3515,
56.8530

■ 73.3529, 69.7599,
61.8242

■ 22.4422, 28.9421,
56.6289

■ 74.3937, 71.6251,
62.1294

■ 75.3094, 73.4565,
62.4346

■ 76.2458, 75.3293,
62.7467

Harmonies

Analogous

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



36.5390, 44.0018, 50.4833



37.6293, 44.0018, 58.7345



39.8570, 44.0018, 64.4841

Triad

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



37.6293, 44.0018, 58.7345



47.2673, 44.0018, 53.8602



40.9458, 44.0018, 33.7701

Complementary

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



37.6293, 44.0018, 58.7345



37.8708, 34.7221, 28.3740

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.



43.8513, 44.0018, 34.4519



37.6293, 44.0018, 58.7345



47.5920, 44.0018, 45.4266

Square

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



37.6293, 44.0018, 58.7345



45.4483, 44.0018, 61.4511



46.3159, 44.0018, 38.5053



38.3946, 44.0018, 36.5211

Rectangle

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



37.6293, 44.0018, 58.7345



41.7327, 44.0018, 65.7772



46.3159, 44.0018, 38.5053



41.9122, 44.0018, 33.6130

Sweetspot

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



37.6306, 44.0036, 58.7355



85.7553, 93.2049, 108.0783



35.3882, 46.9314, 35.1355



18.0539, 19.7260, 23.1059



0.0000, 0.0000, 0.0000



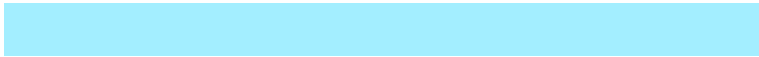
20.3446, 21.4041, 23.3091

Same Dimension

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



37.6306, 44.0036, 58.7355



63.7371, 76.1114, 105.9394



32.1167, 32.9757, 56.8975



10.2038, 11.0989, 12.8893



14.4787, 18.7140, 36.4057



0.6679, 0.8932, 1.5871

Inverse Universe

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



40.4687, 33.1310, 50.1629



69.7889, 53.6919, 87.4878



43.0659, 45.1124, 30.1057



10.4142, 10.2143, 12.2715



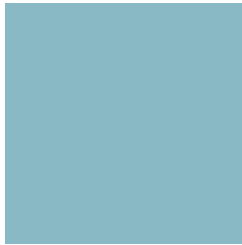
18.7042, 9.1714, 22.1520



0.8295, 0.4048, 1.0695

Previews

White Background



This preview shows how the XYZ color 37.6293, 44.0018, 58.7345 looks on a white background.

Color Contrast Check

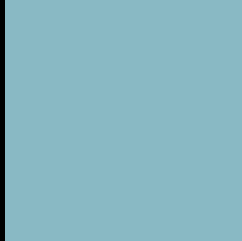
Large Text (above 18pt) WCAG AA × Fail

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 37.6293, 44.0018, 58.7345 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

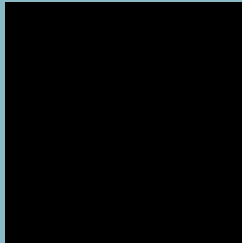
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

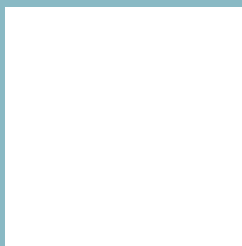
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.6293, 44.0018, 58.7345

Background



This preview shows how black text looks on a background with the XYZ color 37.6293, 44.0018, 58.7345.



This preview shows how white text looks on a background with the XYZ color 37.6293, 44.0018,

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

37.6293, 44.0018, 58.7345

Protanopia

42.5287, 43.6078, 54.8908

Deuteranopia

44.5898, 43.6958, 60.1168



Tritanopia

37.9305, 43.8078, 60.4894

Trichromacy



Original Color

37.6293, 44.0018, 58.7345

Protanomaly

40.5348, 43.7274, 56.1730

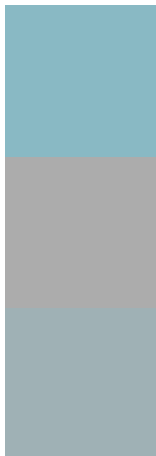
Deuteranomaly

41.6411, 43.6285, 59.6525

Tritanomaly

37.8148, 43.7615, 59.8798

Monochromacy



Original Color

37.6293, 44.0018, 58.7345

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

38.3607, 42.1514, 49.8303

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.6293, 44.0018, 58.7345 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, 185, 196)` looks like.

```
.text, #text, p{  
    color:rgb(137, 185, 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, 185, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 185, 196) }
```

Border

The CSS property to change the border of an element to XYZ 37.6293, 44.0018, 58.7345 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, 185, 196) }
```


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

```
.border{ border-color:rgb(137, 185, 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, 185, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 185, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 185, 196);  
box-shadow:4px 4px 4px 4px rgb(137, 185,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 37.6293, 44.0018, 58.7345 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 185, 196) }
```

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

```
.background{ background-color: rgb(137,  
185, 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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