

Converting Colors

XYZ(36.4151, 43.8934, 63.6797)

Have a look what the booklet for
XYZ(36.4151, 43.8934, 63.6797)
contains.

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Color

**XYZ(36.4151, 43.8934,
63.6797)**

Conversions

Conversions Part 1

Format	Color
Hex	78BBCC
RGB	120, 187, 204
RGB Percent	47%, 73%, 80%
CMY	0.5294, 0.2667, 0.2000
CMYK	0.41, 0.08, 0.00, 0.20
HSL	192°, 45%, 64%
HSV	192°, 41%, 80%
XYZ	36.4151, 43.8934, 63.6797
YIQ	168.9050, -45.3890, -8.9170

Conversions

Conversions Part 2

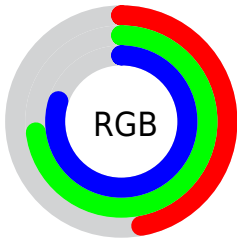
Format	Color
RYB	120, 157, 204
Decimal	7912396
CIELab	72.16, -16.84, -15.26
CIELCh	72, 22.724, 222.181
Yxy	43.8934, 0.2529, 0.3048
Android (android.graphics.Color)	4286102476 (0xFF78BBCC)
YUV	168.9050, 17.3018, -42.8897
Hunter-Lab	66.2521, -17.8296, -10.6115

Details

The XYZ color **36.4151, 43.8934, 63.6797** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **37.2383, 32.0852, 22.0007**, and the grayscale version is **37.5995, 39.5576, 43.0782**.

A 20% lighter version of the original color is **68.0051, 80.5513, 106.5714**, and **16.2101, 20.3760, 31.9328** is the 20% darker color. If you saturate the color by 10%, you get **33.0187, 40.8620, 63.2744**, and if you desaturate by 10%, it is **40.4420, 47.2893, 64.1237**.

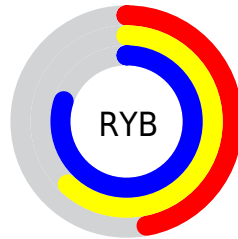
Distribution



Red (47%)

Green (73%)

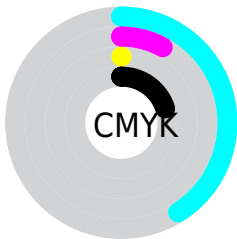
Blue (80%)



Red (47%)

Yellow (62%)

Blue (80%)

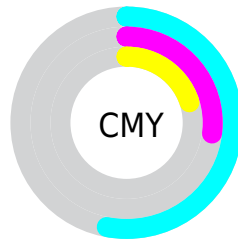


Cyan (41%)

Magenta (8%)

Yellow (0%)

Black (20%)



Cyan (53%)

Magenta (27%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.4151, 43.8934, 63.6797 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 36.4151, 43.8934, 63.6797 by changing the saturation by 10% instead.

■ 36.4151, 43.8934,
63.6797

■ 36.4151, 43.8934,
63.6797

322.1709,
362.2731, 456.2077

■ 24.9265, 30.5867,
45.9468

■ 68.9920, 81.0573,
111.7445

■ 16.1508, 20.2843,
31.8555

■ 90.8110, 105.6833,
142.9136

■ 9.7224, 12.6019,
20.9872

■ 116.8042,
134.8512, 179.3983

■ 5.2762, 7.1550,
12.9235

147.3370,
168.9454, 221.6174

■ 2.4466, 3.5592,
7.2458

182.7747,
208.3503, 269.9894

■ 0.8684, 1.4302,
3.5355

223.4827,

■ 0.0000, 0.2388,

253.4503, 324.9327

1.3742

269.8263,
304.6298, 386.8660

■ 0.0000, 0.0000,
0.1214

■ 0.0000, 0.0000,
0.0000

■ 36.4151, 43.8934,
63.6797

■ 36.4151, 43.8934,
63.6797

■ 33.0187, 40.8620,
63.2744

■ 40.4420, 47.2893,
64.1237

■ 30.2101, 38.1696,
62.9027

■ 45.1309, 51.0631,
64.6050

■ 27.9471, 35.7953,
62.5637

■ 50.5158, 55.2336,
65.1262

■ 26.1804, 33.7133,
62.2549

■ 56.6272, 59.8170,
65.6887

■ 24.8510, 31.8928,
61.9736

■ 63.4938, 64.8283,
66.2941

■ 23.9467, 30.4547,
61.7437

■ 71.1425, 70.2817,
66.9436

■ 76.6696, 74.6804,
67.5013

■ 77.7399, 76.8211,
67.8581

■ 78.8370, 79.0153,
68.2238

Harmonies

Analogous

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



34.8224, 43.8934, 52.4598



36.4151, 43.8934, 63.6797



39.4706, 43.8934, 71.2427

Triad

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



36.4151, 43.8934, 63.6797



49.2585, 43.8934, 54.6566



40.1598, 43.8934, 29.7521

Complementary

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



36.4151, 43.8934, 63.6797



37.2383, 32.0852, 22.0007

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.



44.0519, 43.8934, 30.1517



36.4151, 43.8934, 63.6797



49.4717, 43.8934, 43.4105

Square

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



36.4151, 43.8934, 63.6797



46.9498, 43.8934, 65.5018



47.5152, 43.8934, 34.7952



36.8926, 43.8934, 33.6027

Rectangle

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



36.4151, 43.8934, 63.6797



42.0049, 43.8934, 72.5725



47.5152, 43.8934, 34.7952



41.4351, 43.8934, 29.4128

Sweetspot

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



36.4165, 43.8951, 63.6807



82.7309, 90.7639, 107.7665



33.8405, 48.9801, 31.2633



17.4440, 19.2252, 23.0414



0.0000, 0.0000, 0.0000



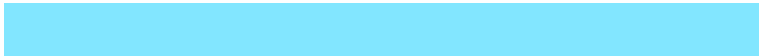
20.3446, 21.4041, 23.3091

Same Dimension

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



36.4165, 43.8951, 63.6807



55.4812, 68.4051, 104.8871



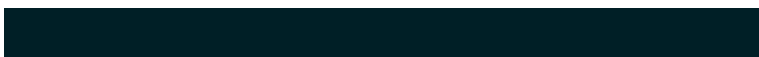
28.8018, 28.6657, 61.1425



11.3430, 12.3264, 14.3518



15.1397, 19.3033, 38.8842



0.8312, 1.0961, 2.0227

Inverse Universe

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



40.5890, 29.8592, 50.6398



63.4723, 42.9358, 79.5956



44.3729, 46.3545, 24.3789



11.5865, 11.3633, 13.6230



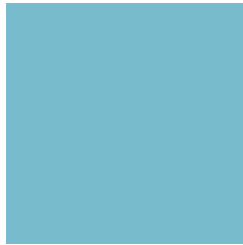
19.8527, 9.7517, 22.7408



1.0495, 0.5132, 1.3065

Previews

White Background



This preview shows how the XYZ color 36.4151, 43.8934, 63.6797 looks on a white background.

Color Contrast Check

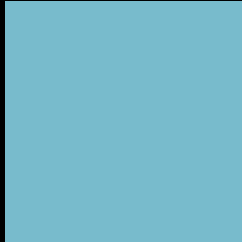
Large Text (above 18pt) WCAG AA × Fail

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 36.4151, 43.8934, 63.6797 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

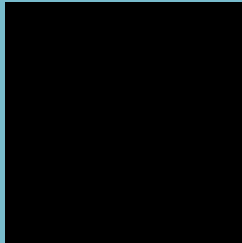
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.4151, 43.8934, 63.6797

Background



This preview shows how black text looks on a background with the XYZ color 36.4151, 43.8934, 63.6797.



This preview shows how white text looks on a background with the XYZ color 36.4151, 43.8934,

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

36.4151, 43.8934, 63.6797

Protanopia

42.5274, 43.5297, 58.3852

Deuteranopia

44.3751, 43.4750, 65.0842



Tritanopia

36.1767, 43.7980, 62.4243

Trichromacy



Original Color

36.4151, 43.8934, 63.6797

Protanomaly

39.7553, 43.2337, 60.2824

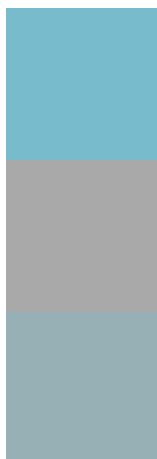
Deuteranomaly

40.7673, 43.0686, 64.5569

Tritanomaly

36.2955, 43.8455, 63.0500

Monochromacy



Original Color

36.4151, 43.8934, 63.6797

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

36.7313, 41.0074, 50.2352

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.4151, 43.8934, 63.6797 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(120, 187, 204)` looks like.

```
.text, #text, p{  
    color:rgb(120, 187, 204)  
}
```

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(120, 187, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 187, 204) }
```

Border

The CSS property to change the border of an element to XYZ 36.4151, 43.8934, 63.6797 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(120, 187, 204) }
```


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

```
.border{ border-color:rgb(120, 187, 204) }
```

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

Here you see how a box with a 4 pixel rgb(120, 187, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 187, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 187, 204);  
box-shadow:4px 4px 4px 4px rgb(120, 187,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 36.4151, 43.8934, 63.6797 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 187, 204) }
```

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

```
.background{ background-color: rgb(120,  
187, 204) }
```

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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