

Converting Colors

XYZ(37.5800, 43.6318, 60.7887)

Have a look what the booklet for
XYZ(37.5800, 43.6318, 60.7887)
contains.

XYZ(37.5575, 43.6020, 61.0801)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(37.5575, 43.6020,
61.0801)**

Conversions

Conversions Part 1

Format	Color
Hex	87B8C8
RGB	135, 184, 200
RGB Percent	53%, 72%, 78%
CMY	0.4706, 0.2784, 0.2157
CMYK	0.32, 0.08, 0.00, 0.22
HSL	195°, 37%, 66%
HSV	195°, 32%, 78%
XYZ	37.5575, 43.6020, 61.0801
YIQ	171.1730, -34.3400, -5.4120

Conversions

Conversions Part 2

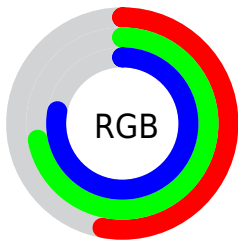
Format	Color
RYB	135, 163, 200
Decimal	8894664
CIELab	71.96, -12.24, -13.29
CIELCh	72, 18.065, 227.356
Yxy	43.6020, 0.2640, 0.3065
Android (android.graphics.Color)	4287084744 (0xFF87B8C8)
YUV	171.1730, 14.2117, -31.7237
Hunter-Lab	66.0318, -14.0286, -8.6216

Details

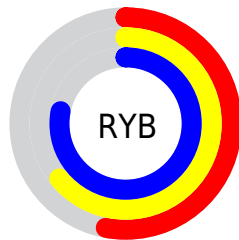
The XYZ color **37.5575, 43.6020, 61.0801** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **39.2599, 36.1624, 27.8336**, and the grayscale version is **38.7398, 40.7573, 44.3847**.

A 20% lighter version of the original color is **70.4453, 80.4873, 106.4305**, and **16.7843, 20.1018, 30.1895** is the 20% darker color. If you saturate the color by 10%, you get **33.6324, 40.0878, 60.6094**, and if you desaturate by 10%, it is **42.1253, 47.5024, 61.5929**.

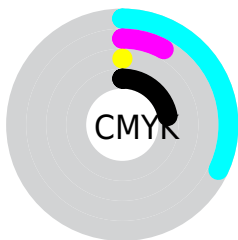
Distribution



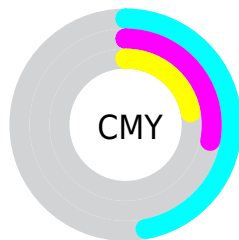
- Red (53%)
- Green (72%)
- Blue (78%)



- Red (53%)
- Yellow (64%)
- Blue (78%)



- Cyan (32%)
- Magenta (8%)
- Yellow (0%)
- Black (22%)



- Cyan (47%)
- Magenta (28%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.5575, 43.6020, 61.0801 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 37.5575, 43.6020, 61.0801 by changing the saturation by 10% instead.

■ 37.5575, 43.6020,
61.0801

■ 37.5575, 43.6020,
61.0801

327.0317,
361.0817, 446.4823

■ 25.8151, 30.3577,
43.8588

■ 70.7377, 80.6185,
107.9536

■ 16.8173, 20.1103,
30.2232

■ 92.9061, 105.1596,
138.4429

■ 10.1988, 12.4752,
19.7546

■ 119.2807,
134.2350, 174.1919

■ 5.5943, 7.0682,
12.0344

150.2266,
168.2292, 215.6192

■ 2.6383, 3.5048,
6.6443

186.1093,
207.5266, 263.1434

■ 0.9655, 1.4006,
3.1656

227.2942,

■ 0.0000, 0.2172,

252.5115, 317.1829

1.1798

274.1465,
303.5684, 378.1564

■ 0.0000, 0.0000,
0.0000

■ 37.5575, 43.6020,
61.0801

■ 37.5575, 43.6020,
61.0801

■ 33.6324, 40.0878,
60.6094

■ 42.1253, 47.5024,
61.5929

■ 30.3117, 36.9365,
60.1762

■ 47.3635, 51.8007,
62.1465

■ 27.5592, 34.1299,
59.7795

■ 53.3028, 56.5143,
62.7433

■ 25.3327, 31.6456,
59.4173

■ 59.9710, 61.6580,
63.3847

■ 23.5841, 29.4584,
59.0873

■ 67.3940, 67.2458,
64.0720

■ 22.2555, 27.5378,
58.7866

■ 75.5955, 73.2902,
64.8064

■ 21.4560, 26.2312,
58.5766

■ 76.8567, 75.8126,
65.2268

■ 78.1558, 78.4109,
65.6599

■ 79.4933, 81.0858,
66.1057

Harmonies

Analogous

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



36.0415, 43.6020, 52.7182



37.5575, 43.6020, 61.0801



40.1592, 43.6020, 66.0279

Triad

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



37.5575, 43.6020, 61.0801



47.4955, 43.6020, 51.2863



39.7002, 43.6020, 33.0534

Complementary

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



37.5575, 43.6020, 61.0801



39.2599, 36.1624, 27.8336

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.



42.7526, 43.6020, 32.7706



37.5575, 43.6020, 61.0801



47.3576, 43.6020, 42.5918

Square

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



37.5575, 43.6020, 61.0801



45.9544, 43.6020, 59.9206



45.5864, 43.6020, 36.0572



37.2358, 43.6020, 36.8846

Rectangle

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



37.5575, 43.6020, 61.0801



42.2055, 43.6020, 66.3671



45.5864, 43.6020, 36.0572



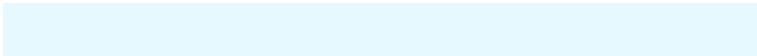
40.6885, 43.6020, 32.5588

Sweetspot

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



37.5588, 43.6037, 61.0811



84.3132, 91.5411, 107.8332



36.1654, 48.6677, 36.4134



17.7454, 19.3520, 23.0500



0.0000, 0.0000, 0.0000



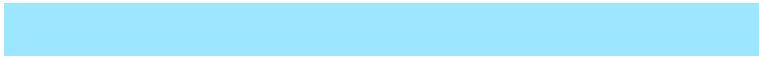
20.3446, 21.4041, 23.3091

Same Dimension

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



37.5588, 43.6037, 61.0811



60.1159, 71.1281, 105.1684



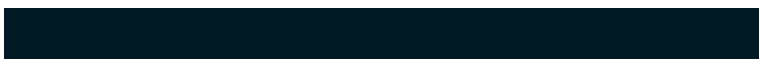
31.7005, 31.8870, 59.1283



10.7171, 11.6082, 13.5932



13.7157, 16.8254, 37.2691



0.7038, 0.9054, 1.7828

Inverse Universe

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



41.1362, 33.0692, 49.5641



67.4096, 50.6288, 81.4678



45.0583, 47.7592, 29.7664



10.9672, 10.7703, 12.8107



18.7224, 9.2385, 19.5459



0.9140, 0.4484, 1.0700

Previews

White Background



This preview shows how the XYZ color 37.5575, 43.6020, 61.0801 looks on a white background.

Color Contrast Check

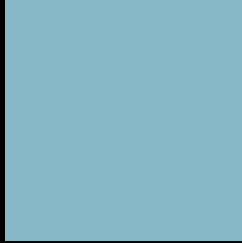
Large Text (above 18pt) WCAG AA × Fail

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 37.5575, 43.6020, 61.0801 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

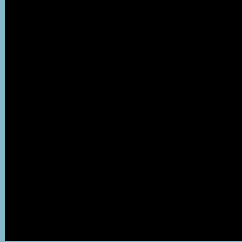
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.5575, 43.6020, 61.0801

Background



This preview shows how black text looks on a background with the XYZ color 37.5575, 43.6020, 61.0801.



This preview shows how white text looks on a background with the XYZ color 37.5575, 43.6020,

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

37.5575, 43.6020, 61.0801

Protanopia

42.5231, 43.5537, 57.2044

Deuteranopia

44.1648, 43.1409, 62.4992



Tritanopia

37.4410, 43.5554, 60.4665

Trichromacy



Original Color

37.5575, 43.6020, 61.0801

Protanomaly

40.3814, 43.2999, 58.4539

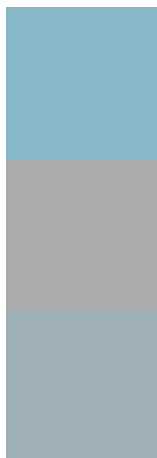
Deuteranomaly

41.4958, 43.2074, 62.0299

Tritanomaly

37.4410, 43.5554, 60.4665

Monochromacy



Original Color

37.5575, 43.6020, 61.0801

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

38.0694, 41.6972, 50.2979

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.5575, 43.6020, 61.0801 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(135, 184, 200)` looks like.

```
.text, #text, p{  
    color:rgb(135, 184, 200)  
}
```

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(135, 184, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 184, 200) }
```

Border

The CSS property to change the border of an element to XYZ 37.5575, 43.6020, 61.0801 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(135, 184, 200) }
```


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

```
.border{ border-color:rgb(135, 184, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 184, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 184, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 184, 200);  
box-shadow:4px 4px 4px 4px rgb(135, 184,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 37.5575, 43.6020, 61.0801 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 184, 200) }
```

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

```
.background{ background-color: rgb(135,  
184, 200) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor