

Converting Colors

XYZ(47.5983, 53.0984, 56.7698)

Have a look what the booklet for
XYZ(47.5983, 53.0984, 56.7698)
contains.

XYZ(47.7303, 53.1591, 57.0353)	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(47.7303, 53.1591,
57.0353)**

Conversions

Conversions Part 1

Format	Color
Hex	B2C5BF
RGB	178, 197, 191
RGB Percent	70%, 77%, 75%
CMY	0.3020, 0.2274, 0.2510
CMYK	0.10, 0.00, 0.03, 0.23
HSL	161°, 14%, 74%
HSV	161°, 10%, 77%
XYZ	47.7303, 53.1591, 57.0353
YIQ	190.6350, -9.3980, -5.8940

Conversions

Conversions Part 2

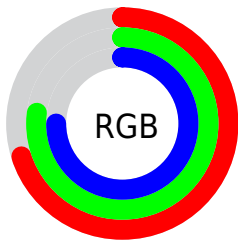
Format	Color
RYB	178, 189, 197
Decimal	11716031
CIELab	77.97, -7.61, 0.79
CIElCh	78, 7.654, 174.052
Yxy	53.1591, 0.3022, 0.3366
Android (android.graphics.Color)	4289906111 (0xFFB2C5BF)
YUV	190.6350, 0.1799, -11.0809
Hunter-Lab	72.9103, -10.7390, 4.6566

Details

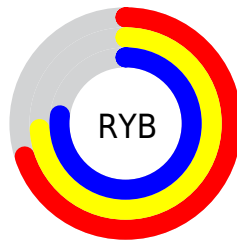
The XYZ color **47.7303, 53.1591, 57.0353** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **47.6000, 47.1731, 51.9463**, and the grayscale version is **49.3141, 51.8822, 56.4998**.

A 20% lighter version of the original color is **86.1620, 95.0914, 101.8090**, and **22.8674, 25.8399, 27.8271** is the 20% darker color. If you saturate the color by 10%, you get **42.8606, 50.7276, 53.3086**, and if you desaturate by 10%, it is **53.2813, 55.9414, 60.9480**.

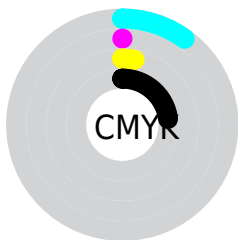
Distribution



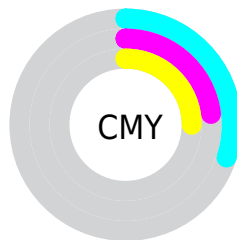
- Red (70%)
- Green (77%)
- Blue (75%)



- Red (70%)
- Yellow (74%)
- Blue (77%)



- Cyan (10%)
- Magenta (0%)
- Yellow (3%)
- Black (23%)



- Cyan (30%)
- Magenta (23%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.7303, 53.1591, 57.0353 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 47.7303, 53.1591, 57.0353 by changing the saturation by 10% instead.

■ 47.7303, 53.1591,
57.0353

■ 47.7303, 53.1591,
57.0353

368.3225,
398.8952, 431.0790

■ 33.8237, 37.9298,
40.6240

■ 86.0148, 94.8384,
102.0175

■ 22.9205, 25.9282,
27.7079

111.1235,
122.0573, 131.4256

■ 14.6552, 16.7699,
17.8685

140.6969,
154.0414, 166.0030

■ 8.6625, 10.0706,
10.6872

175.1004,
191.1752, 206.1683

■ 4.5770, 5.4458,
5.7454

214.6994,
233.8431, 252.3400

■ 2.0335, 2.5111,
2.6246

259.8591,

■ 0.6527, 0.8822,

282.4295, 304.9366

0.9051

310.9451,
337.3187, 364.3768

■ 0.0000, 0.0000,
0.0000

■ 47.7303, 53.1591,
57.0353

■ 47.7303, 53.1591,
57.0353

■ 42.8606, 50.7276,
53.3086

■ 53.2813, 55.9414,
60.9480

■ 38.6398, 48.6259,
49.7613

■ 59.5353, 59.0812,
65.0463

■ 35.0396, 46.8407,
46.3912

■ 66.5186, 62.5935,
69.3342

■ 32.0275, 45.3556,
43.1949

■ 73.5884, 66.1470,
73.7836

■ 29.5685, 44.1523,
40.1687

■ 74.4079, 66.4748,
78.0995

■ 27.6232, 43.2108,
37.3088

■ 75.2583, 66.8150,
82.5776

■ 26.1471, 42.5080,
34.6111

■ 76.1399, 67.1676,
87.2197

■ 25.0876, 42.0170,
32.0710

■ 77.0528, 67.5328,
92.0273

■ 24.3486, 41.6881,
29.6818

■ 77.9976, 67.9107,
97.0022

Harmonies

Analogous

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



48.2425, 53.1591, 53.1976



47.7303, 53.1591, 57.0353



47.9553, 53.1591, 61.2896

Triad

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



47.7303, 53.1591, 57.0353



51.7026, 53.1591, 65.7004



52.2264, 53.1591, 51.4907

Complementary

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



47.7303, 53.1591, 57.0353



47.6000, 47.1731, 51.9463

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.



53.1873, 53.1591, 54.6017



47.7303, 53.1591, 57.0353



52.8807, 53.1591, 62.8319

Square

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



47.7303, 53.1591, 57.0353



50.2299, 53.1591, 66.4301



53.4291, 53.1591, 58.7355



50.8235, 53.1591, 50.0992

Rectangle

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



47.7303, 53.1591, 57.0353



48.4953, 53.1591, 63.7747



53.4291, 53.1591, 58.7355



52.6129, 53.1591, 52.3625

Sweetspot

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



47.7318, 53.1613, 57.0365



91.9046, 98.4232, 106.7346



47.7750, 53.3417, 49.8981



19.4956, 20.9786, 22.7228



0.0000, 0.0000, 0.0000



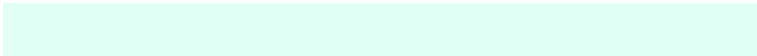
20.3446, 21.4041, 23.3091

Same Dimension

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



47.7318, 53.1613, 57.0365



83.1570, 94.0442, 100.4229



47.6242, 51.8671, 60.3273



10.7986, 12.0083, 12.8896



16.0376, 27.4274, 19.6747



0.7911, 1.3114, 1.0988

Inverse Universe

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



47.6000, 47.1731, 51.9463



82.8641, 80.7309, 89.1072



47.6859, 48.3308, 48.9356



10.7696, 10.6912, 11.7700



15.7551, 8.0516, 3.9202



0.7792, 0.3945, 0.3602

Previews

White Background



This preview shows how the XYZ color 47.7303, 53.1591, 57.0353 looks on a white background.

Color Contrast Check

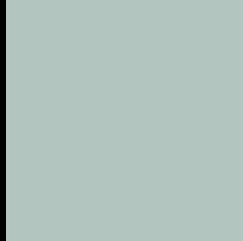
Large Text (above 18pt) WCAG AA × Fail

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 47.7303, 53.1591, 57.0353 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

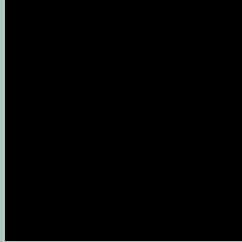
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

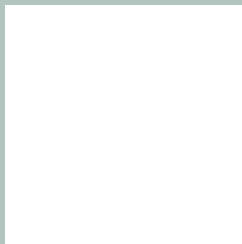
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.7303, 53.1591, 57.0353

Background



This preview shows how black text looks on a background with the XYZ color 47.7303, 53.1591, 57.0353.



This preview shows how white text looks on a background with the XYZ color 47.7303, 53.1591,

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

47.7303, 53.1591, 57.0353

Protanopia

50.9527, 53.2004, 55.1602

Deuteranopia

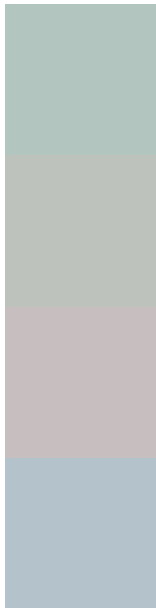
54.0485, 52.8170, 57.7981



Tritanopia

49.9807, 53.0605, 68.5802

Trichromacy



Original Color

47.7303, 53.1591, 57.0353

Protanomaly

49.7123, 53.2048, 55.7936

Deuteranomaly

51.4811, 52.7748, 57.3424

Tritanomaly

49.1170, 53.0453, 64.1499

Monochromacy



Original Color

47.7303, 53.1591, 57.0353

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

48.7236, 52.3406, 56.8250

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.7303, 53.1591, 57.0353 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(178, 197, 191)` looks like.

```
.text, #text, p{  
    color:rgb(178, 197, 191)  
}
```

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(178, 197, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 197, 191) }
```

Border

The CSS property to change the border of an element to XYZ 47.7303, 53.1591, 57.0353 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(178, 197, 191) }
```


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

```
.border{ border-color:rgb(178, 197, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 197, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 197, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 197, 191);  
box-shadow:4px 4px 4px 4px rgb(178, 197,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 47.7303, 53.1591, 57.0353 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 197, 191) }
```

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

```
.background{ background-color: rgb(178,  
197, 191) }
```

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