

Converting Colors

XYZ(55.7632, 60.4462, 78.2031)

Have a look what the booklet for
XYZ(55.7632, 60.4462, 78.2031)
contains.

XYZ(55.6397, 60.2676, 78.5123)	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(55.6397, 60.2676,
78.5123)**

Conversions

Conversions Part 1

Format	Color
Hex	B9CFDF
RGB	185, 207, 223
RGB Percent	73%, 81%, 87%
CMY	0.2745, 0.1882, 0.1255
CMYK	0.17, 0.07, 0.00, 0.13
HSL	205°, 37%, 80%
HSV	205°, 17%, 87%
XYZ	55.6397, 60.2676, 78.5123
YIQ	202.2460, -18.2480, 0.3120

Conversions

Conversions Part 2

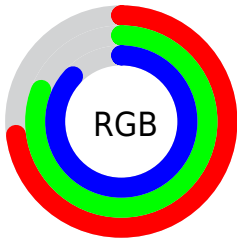
Format	Color
R _Y B	185, 199, 223
Decimal	12177375
CIE Lab	81.98, -4.08, -10.41
CIE LCh	82, 11.178, 248.610
Yxy	60.2676, 0.2862, 0.3100
Android (android.graphics.Color)	4290367455 (0xFFB9CFDF)
YUV	202.2460, 10.2317, -15.1247
Hunter-Lab	77.6322, -7.9238, -5.6196

Details

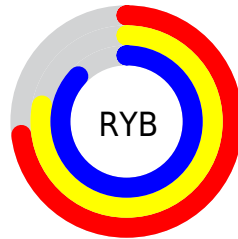
The XYZ color **55.6397, 60.2676, 78.5123** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **60.0756, 60.9641, 54.5012**, and the grayscale version is **56.2403, 59.1692, 64.4352**.

A 20% lighter version of the original color is **90.0856, 97.4408, 108.6677**, and **27.8192, 30.4349, 41.4541** is the 20% darker color. If you saturate the color by 10%, you get **48.4693, 53.2958, 77.5455**, and if you desaturate by 10%, it is **63.7927, 67.9498, 79.5664**.

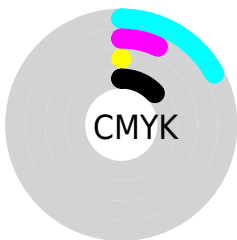
Distribution



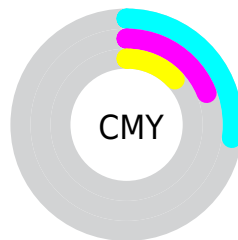
- Red (73%)
- Green (81%)
- Blue (87%)



- Red (73%)
- Yellow (78%)
- Blue (87%)



- Cyan (17%)
- Magenta (7%)
- Yellow (0%)
- Black (13%)



- Cyan (27%)
- Magenta (19%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 55.6397, 60.2676, 78.5123 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 55.6397, 60.2676, 78.5123 by changing the saturation by 10% instead.

■ 55.6397, 60.2676,
78.5123

■ 55.6397, 60.2676,
78.5123

398.4293,
425.5834, 509.4789

■ 40.1500, 43.6344,
57.9760

■ 97.6205, 105.2178,
133.0645

■ 27.8402, 30.3832,
41.3748

124.8422,
134.3035, 167.9174

■ 18.3451, 20.1296,
28.2901

156.7053,
168.3088, 208.3796

■ 11.2992, 12.4893,
18.3035

193.5752,
207.6181, 254.8697

■ 6.3372, 7.0778,
10.9964

235.8172,
252.6159, 307.8061

■ 3.0938, 3.5108,
5.9503

283.7967,

■ 1.2036, 1.4039,

303.6864, 367.6074

2.7466

337.8789,
361.2141, 434.6921

■ 0.1092, 0.2196,
0.9667

■ 0.0000, 0.0000,
0.0000

■ 55.6397, 60.2676,
78.5123

■ 55.6397, 60.2676,
78.5123

■ 48.4693, 53.2958,
77.5455

■ 63.7927, 67.9498,
79.5664

■ 42.2346, 47.0022,
76.6593

■ 72.9619, 76.3585,
80.7061

■ 36.8926, 41.3626,
75.8523

■ 83.1858, 85.5183,
81.9353

■ 32.3947, 36.3482,
75.1215

■ 87.0779, 91.6246,
82.9088

■ 28.6872, 31.9277,
74.4637

■ 89.9837, 97.4363,
83.8774

■ 25.7094, 28.0658,
73.8752

■ 90.3195, 98.1078,
83.9893

■ 23.3907, 24.7222,
73.3520

■ 21.6397, 21.8457,
72.8891

■ 21.1856, 21.0600,
72.7614

Harmonies

Analogous

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



53.8015, 60.2676, 74.0897



55.6397, 60.2676, 78.5123



57.9661, 60.2676, 79.3611

Triad

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



55.6397, 60.2676, 78.5123



61.8982, 60.2676, 63.6904



54.4910, 60.2676, 55.9599

Complementary

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



55.6397, 60.2676, 78.5123



60.0756, 60.9641, 54.5012

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.



56.6043, 60.2676, 53.5664



55.6397, 60.2676, 78.5123



60.9106, 60.2676, 57.8239

Square

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



55.6397, 60.2676, 78.5123



61.6227, 60.2676, 70.4874



58.9574, 60.2676, 54.2245



53.1511, 60.2676, 60.9842

Rectangle

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



55.6397, 60.2676, 78.5123



59.4882, 60.2676, 77.7336



58.9574, 60.2676, 54.2245



55.1321, 60.2676, 54.8372

Sweetspot

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



55.6415, 60.2701, 78.5137



88.8253, 94.2845, 108.1249



56.9195, 67.3000, 65.1470



18.8311, 20.0132, 23.1204



0.0000, 0.0000, 0.0000



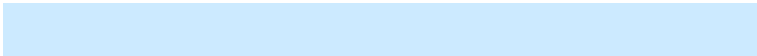
20.3446, 21.4041, 23.3091

Same Dimension

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



55.6415, 60.2701, 78.5137



72.2409, 78.6355, 105.9784



51.3470, 51.6811, 77.0822



13.6079, 14.5549, 17.4798



12.5708, 12.6112, 42.8200



0.9594, 1.0502, 2.9974

Inverse Universe

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



59.0443, 54.8923, 66.5175



77.6166, 70.3592, 86.9779



64.7389, 70.2908, 56.0557



14.0383, 13.8330, 15.9719



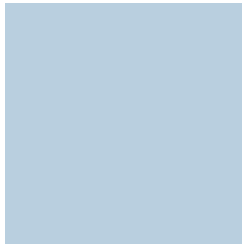
20.2854, 10.1812, 13.4344



1.4505, 0.7235, 1.1651

Previews

White Background



This preview shows how the XYZ color 55.6397, 60.2676, 78.5123 looks on a white background.

Color Contrast Check

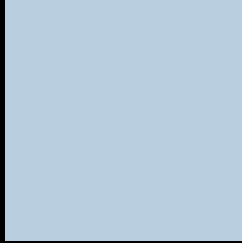
Large Text (above 18pt) WCAG AA × Fail

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 55.6397, 60.2676, 78.5123 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

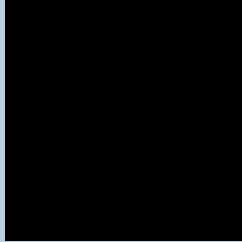
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

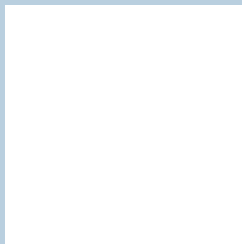
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 55.6397, 60.2676, 78.5123

Background



This preview shows how black text looks on a background with the XYZ color 55.6397, 60.2676, 78.5123.



This preview shows how white text looks on a background with the XYZ color 55.6397, 60.2676,

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

55.6397, 60.2676, 78.5123

Protanopia

58.3959, 59.9649, 76.2067

Deuteranopia

61.2253, 59.9705, 79.5827



Tritanopia

55.6397, 60.2676, 78.5123

Trichromacy



Original Color

55.6397, 60.2676, 78.5123

Protanomaly

57.4090, 60.1420, 76.9894

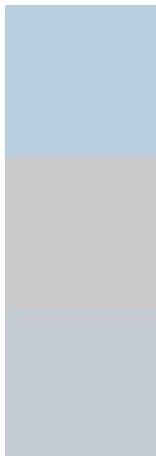
Deuteranomaly

58.9698, 59.8516, 78.9655

Tritanomaly

55.6397, 60.2676, 78.5123

Monochromacy



Original Color

55.6397, 60.2676, 78.5123

Achromatopsia

56.1383, 59.0619, 64.3184

Achromatomaly

55.9907, 59.5746, 69.5208

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.6397, 60.2676, 78.5123 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(185, 207, 223)` looks like.

```
.text, #text, p{  
    color:rgb(185, 207, 223)  
}
```

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(185, 207, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 207, 223) }
```

Border

The CSS property to change the border of an element to XYZ 55.6397, 60.2676, 78.5123 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(185, 207, 223) }
```


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

```
.border{ border-color:rgb(185, 207, 223) }
```

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

Here you see how a box with a 4 pixel rgb(185, 207, 223) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 207, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 207, 223);  
box-shadow:4px 4px 4px 4px rgb(185, 207,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 55.6397, 60.2676, 78.5123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 207, 223) }
```

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

```
.background{ background-color: rgb(185,  
207, 223) }
```

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