

Converting Colors

XYZ(69.3555, 65.3779,
158.8202)

Have a look what the booklet for
XYZ(69.3555, 65.3779, 158.8202)
contains.

XYZ(58.7117, 60.9463, 103.2771)	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(58.7117, 60.9463,
103.2771)**

Conversions

Conversions Part 1

Format	Color
Hex	B3CEFF
RGB	179, 206, 255
RGB Percent	70%, 81%, 100%
CMY	0.2980, 0.1921, 0.0000
CMYK	0.30, 0.19, 0.00, 0.00
HSL	219°, 100%, 85%
HSV	219°, 30%, 100%
XYZ	58.7117, 60.9463, 103.2771
YIQ	203.5130, -31.8210, 9.5150

Conversions

Conversions Part 2

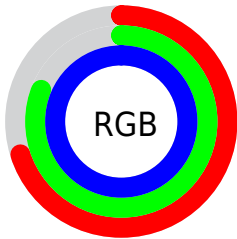
Format	Color
R_{YB}	179, 199, 255
Decimal	11783935
CIE _{Lab}	82.35, 1.90, -26.94
CIE _{LCh}	82, 27.005, 274.043
Yxy	60.9463, 0.2634, 0.2734
Android (android.graphics.Color)	4289974015 (0xFFB3CEFF)
YUV	203.5130, 25.3831, -21.4979
Hunter-Lab	78.0681, -2.3770, -23.7877

Details

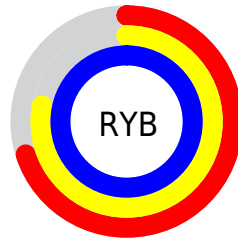
The XYZ color **58.7117, 60.9463, 103.2771** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **77.1203, 80.0014, 54.0268**, and the grayscale version is **56.9484, 59.9141, 65.2465**.

A 20% lighter version of the original color is **88.4021, 96.5729, 108.5889**, and **29.7335, 30.8188, 57.8076** is the 20% darker color. If you saturate the color by 10%, you get **49.6012, 50.6796, 101.7756**, and if you desaturate by 10%, it is **69.3295, 72.6074, 104.9683**.

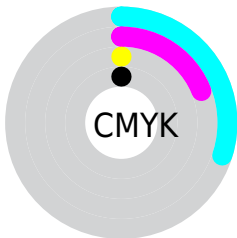
Distribution



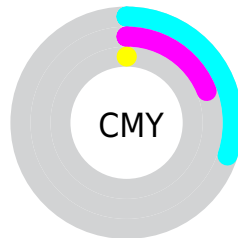
- Red (70%)
- Green (81%)
- Blue (100%)



- Red (70%)
- Yellow (78%)
- Blue (100%)



- Cyan (30%)
- Magenta (19%)
- Yellow (0%)
- Black (0%)



- Cyan (30%)
- Magenta (19%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 58.7117, 60.9463, 103.2771 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 58.7117, 60.9463, 103.2771 by changing the saturation by 10% instead.

■ 58.7117, 60.9463,
103.2771

■ 58.7117, 60.9463,
103.2771

409.7439,
428.0771, 591.9852

■ 42.6266, 44.1818,
78.4081

■ 102.0756,
106.2012, 167.7444

■ 29.7855, 30.8135,
57.8908

130.0850,
135.4604, 208.1799

■ 19.8231, 20.4569,
41.3068

162.7999,
169.6533, 254.6412

■ 12.3740, 12.7276,
28.2374

200.5856,
209.1643, 307.5470

■ 7.0729, 7.2412,
18.2641

243.8075,
254.3778, 367.3157

■ 3.5545, 3.6134,
10.9683

292.8310,

■ 1.4533, 1.4598,

305.6781, 434.3660

5.9316

348.0213,
363.4498, 509.1163

■ 0.2937, 0.2601,
2.7354

■ 0.0000, 0.0000,
0.9612

■ 58.7117, 60.9463,
103.2771

■ 58.7117, 60.9463,
103.2771

■ 49.6012, 50.6796,
101.7756

■ 69.3295, 72.6074,
104.9683

■ 41.9199, 41.7440,
100.4557

■ 81.5169, 85.7089,
106.8548

■ 35.5902, 34.0812,
99.3103

95.0500, 100.0000,
108.9000

■ 30.5245, 27.6252,
98.3311

■ 26.6237, 22.3029,
97.5094

■ 23.7717, 18.0308,
96.8351

■ 21.7908, 14.6922,
96.2951

■ 21.7568, 14.6336,
96.2856

Harmonies

Analogous

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



53.2159, 60.9463, 99.1442



58.7117, 60.9463, 103.2771



64.3488, 60.9463, 96.2513

Triad

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



58.7117, 60.9463, 103.2771



67.5937, 60.9463, 50.1463



48.5330, 60.9463, 53.4277

Complementary

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



58.7117, 60.9463, 103.2771



77.1203, 80.0014, 54.0268

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.



51.9485, 60.9463, 43.4029



58.7117, 60.9463, 103.2771



62.9096, 60.9463, 41.7402

Square

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



58.7117, 60.9463, 103.2771



69.6873, 60.9463, 64.1497



57.1506, 60.9463, 39.4918



47.5714, 60.9463, 68.6208

Rectangle

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



58.7117, 60.9463, 103.2771



67.3589, 60.9463, 86.7720



57.1506, 60.9463, 39.4918



49.4205, 60.9463, 49.4301

Sweetspot

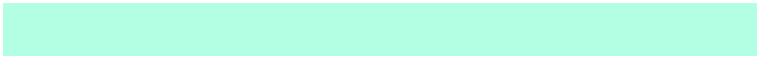
The Sweet Spot groups the original color and five complimentary colors.



58.7135, 60.9486, 103.2775



82.5651, 86.8244, 107.0149



68.2349, 86.6576, 85.9007



17.2673, 18.1527, 22.8437



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.



58.7135, 60.9486, 103.2775



52.8935, 54.4242, 102.3249



55.1909, 50.2978, 101.4073



17.5310, 18.4337, 22.8840



11.4955, 7.9006, 50.3537



1.2178, 0.9663, 4.9356

Inverse Universe

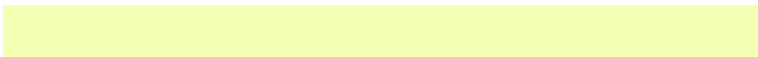
The Inverse Universe completely reimagines the original color for something new.



68.5019, 57.9580, 65.9716



64.3155, 51.5026, 58.6655



81.5069, 94.1634, 56.5291



18.2759, 18.0937, 20.0702



22.5906, 11.5255, 6.4946



2.2493, 1.1421, 0.8942

Previews

White Background



This preview shows how the XYZ color 58.7117, 60.9463, 103.2771 looks on a white background.

Color Contrast Check

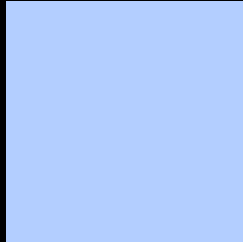
Large Text (above 18pt) WCAG AA × Fail

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 58.7117, 60.9463, 103.2771 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

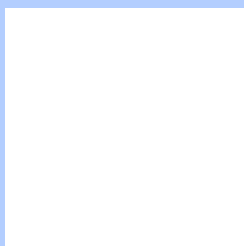
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 58.7117, 60.9463, 103.2771

Background



This preview shows how black text looks on a background with the XYZ color 58.7117, 60.9463, 103.2771.



This preview shows how white text looks on a background with the XYZ color 58.7117, 60.9463,

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

58.7117, 60.9463, 103.2771

Protanopia

60.8425, 60.6704, 101.4323

Deuteranopia

62.2253, 60.9991, 103.1021



Tritanopia

54.5314, 61.0742, 82.3132

Trichromacy



Original Color

58.7117, 60.9463, 103.2771

Protanomaly

59.9844, 60.5590, 102.2935

Deuteranomaly

60.8918, 61.0082, 103.1742

Tritanomaly

55.9123, 60.8879, 89.6946

Monochromacy



Original Color

58.7117, 60.9463, 103.2771

Achromatopsia

57.3938, 60.3827, 65.7568

Achromatomaly

57.6563, 60.5925, 78.4687

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.7117, 60.9463, 103.2771 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(179, 206, 255)` looks like.

```
.text, #text, p{  
    color:rgb(179, 206, 255)  
}
```

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(179, 206, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 206, 255) }
```

Border

The CSS property to change the border of an element to XYZ 58.7117, 60.9463, 103.2771 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(179, 206, 255) }
```


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

```
.border{ border-color:rgb(179, 206, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 206, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 206, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 206, 255);  
box-shadow:4px 4px 4px 4px rgb(179, 206,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 58.7117, 60.9463, 103.2771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 206, 255) }
```

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

```
.background{ background-color: rgb(179,  
206, 255) }
```

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