

Converting Colors

XYZ(52.0102, 61.6502, 90.7879)

Have a look what the booklet for
XYZ(52.0102, 61.6502, 90.7879)
contains.

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Color

**XYZ(51.8129, 61.3635,
90.7749)**

Conversions

Conversions Part 1

Format	Color
Hex	91D8EF
RGB	145, 216, 239
RGB Percent	57%, 85%, 94%
CMY	0.4314, 0.1529, 0.0627
CMYK	0.39, 0.10, 0.00, 0.06
HSL	195°, 75%, 75%
HSV	195°, 39%, 94%
XYZ	51.8129, 61.3635, 90.7749
YIQ	197.3930, -49.6990, -7.8990

Conversions

Conversions Part 2

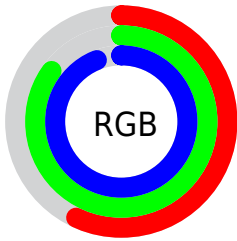
Format	Color
R _Y B	145, 185, 239
Decimal	9558255
CIE Lab	82.57, -16.44, -18.28
CIE LCh	83, 24.584, 228.034
Yxy	61.3635, 0.2540, 0.3009
Android (android.graphics.Color)	4287748335 (0xFF91D8EF)
YUV	197.3930, 20.5123, -45.9487
Hunter-Lab	78.3349, -19.0210, -13.8712

Details

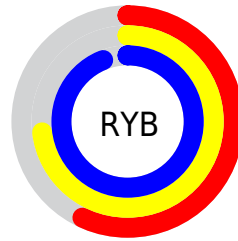
The XYZ color **51.8129, 61.3635, 90.7749** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **54.7111, 48.4012, 33.2484**, and the grayscale version is **53.2114, 55.9825, 60.9649**.

A 20% lighter version of the original color is **78.1671, 91.2966, 108.1099**, and **25.4119, 31.0325, 49.4503** is the 20% darker color. If you saturate the color by 10%, you get **46.5651, 56.4750, 90.1090**, and if you desaturate by 10%, it is **58.0036, 66.8201, 91.5029**.

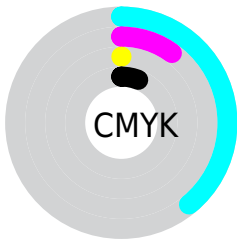
Distribution



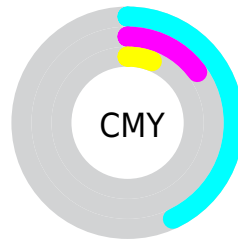
- Red (57%)
- Green (85%)
- Blue (94%)



- Red (57%)
- Yellow (73%)
- Blue (94%)



- Cyan (39%)
- Magenta (10%)
- Yellow (0%)
- Black (6%)



- Cyan (43%)
- Magenta (15%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.8129, 61.3635, 90.7749 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 51.8129, 61.3635, 90.7749 by changing the saturation by 10% instead.

■ 51.8129, 61.3635,
90.7749

■ 51.8129, 61.3635,
90.7749

384.0497,
429.6055, 551.1834

■ 37.0796, 44.5186,
68.0462

■ 92.0311, 106.8051,
150.3592

■ 25.4431, 31.0784,
49.4684

■ 118.2468,
136.1705, 188.0519

■ 16.5380, 20.6586,
34.6230

149.0206,
170.4783, 231.5696

■ 9.9989, 12.8747,
23.0914

184.7179,
210.1128, 281.3310

■ 5.4605, 7.3423,
14.4550

225.7042,
255.4583, 337.7545

■ 2.5574, 3.6771,
8.2955

272.3446,

■ 0.9243, 1.4946,

306.8994, 401.2587

4.1941

325.0047,
364.8203, 472.2622

■ 0.0000, 0.2849,
1.7324

■ 0.0000, 0.0000,
0.3828

■ 51.8129, 61.3635,
90.7749

■ 51.8129, 61.3635,
90.7749

■ 46.5651, 56.4750,
90.1090

■ 58.0036, 66.8201,
91.5029

■ 42.1981, 52.1174,
89.4981

■ 65.1832, 72.8650,
92.2913

■ 38.6506, 48.2599,
88.9405

■ 73.4014, 79.5261,
93.1439

■ 35.8511, 44.8646,
88.4327

■ 82.7028, 86.8271,
94.0629

■ 33.7145, 41.8869,
87.9705

■ 89.5456, 92.9429,
94.8827

■ 32.1077, 39.2573,
87.5476

■ 91.3450, 96.5418,
95.4825

■ 32.0080, 39.0878,
87.5202

■ 92.5802, 99.0121,
95.8942

Harmonies

Analogous

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



49.2174, 61.3635, 76.1986



51.8129, 61.3635, 90.7749



56.2502, 61.3635, 99.3820

Triad

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



51.8129, 61.3635, 90.7749



68.7994, 61.3635, 73.0079



55.2457, 61.3635, 42.8627

Complementary

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



51.8129, 61.3635, 90.7749



54.7111, 48.4012, 33.2484

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.



60.4485, 61.3635, 42.2745



51.8129, 61.3635, 90.7749



68.4902, 61.3635, 58.2342

Square

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



51.8129, 61.3635, 90.7749



66.1803, 61.3635, 88.1385



65.3593, 61.3635, 47.4914



51.1157, 61.3635, 49.2411

Rectangle

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



51.8129, 61.3635, 90.7749



59.7506, 61.3635, 99.8328



65.3593, 61.3635, 47.4914



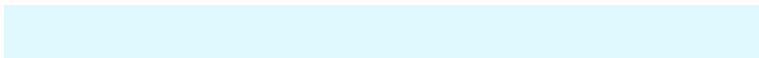
56.9206, 61.3635, 42.0204

Sweetspot

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



51.8148, 61.3659, 90.7763



82.3326, 89.9672, 107.6338



49.5139, 70.5416, 47.5348



17.3498, 19.0369, 23.0100



0.0000, 0.0000, 0.0000



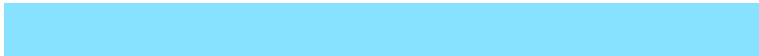
20.3446, 21.4041, 23.3091

Same Dimension

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



51.8148, 61.3659, 90.7763



55.1745, 66.6007, 104.5550



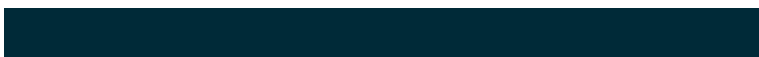
41.6458, 41.0279, 87.3867



15.9007, 17.2355, 20.2103



17.7962, 21.8167, 48.4010



1.5576, 1.9691, 4.0522

Inverse Universe

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



58.1183, 43.5610, 70.3133



63.6081, 44.1031, 76.8798



64.7385, 68.4559, 36.5909



16.2793, 15.9614, 19.0271



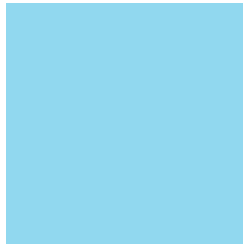
24.3083, 11.9958, 25.3380



2.0611, 1.0135, 2.3128

Previews

White Background



This preview shows how the XYZ color 51.8129, 61.3635, 90.7749 looks on a white background.

Color Contrast Check

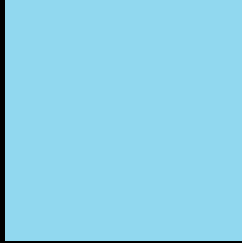
Large Text (above 18pt) WCAG AA × Fail

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 51.8129, 61.3635, 90.7749 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 51.8129, 61.3635, 90.7749

Background



This preview shows how black text looks on a background with the XYZ color 51.8129, 61.3635, 90.7749.



This preview shows how white text looks on a background with the XYZ color 51.8129, 61.3635,

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

51.8129, 61.3635, 90.7749

Protanopia

59.8671, 60.8989, 84.2006

Deuteranopia

62.1349, 60.8412, 92.4731



Tritanopia

51.1657, 61.4955, 87.0150

Trichromacy



Original Color

51.8129, 61.3635, 90.7749

Protanomaly

56.4632, 60.8760, 86.6162

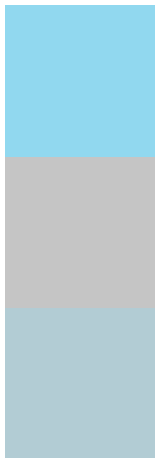
Deuteranomaly

57.7157, 60.6838, 91.8903

Tritanomaly

51.4548, 61.6111, 88.5371

Monochromacy



Original Color

51.8129, 61.3635, 90.7749

Achromatopsia

53.0703, 55.8340, 60.8033

Achromatomaly

51.8366, 57.4042, 70.6354

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.8129, 61.3635, 90.7749 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(145, 216, 239)` looks like.

```
.text, #text, p{  
    color:rgb(145, 216, 239)  
}
```

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(145, 216, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 216, 239) }
```

Border

The CSS property to change the border of an element to XYZ 51.8129, 61.3635, 90.7749 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(145, 216, 239) }
```


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

```
.border{ border-color:rgb(145, 216, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 216, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 216, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 216, 239);  
box-shadow:4px 4px 4px 4px rgb(145, 216,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 51.8129, 61.3635, 90.7749 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 216, 239) }
```

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

```
.background{ background-color: rgb(145,  
216, 239) }
```

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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