

Converting Colors

XYZ(51.2649, 59.1130, 81.6342)

Have a look what the booklet for
XYZ(51.2649, 59.1130, 81.6342)
contains.

XYZ(51.2098, 59.0102, 81.3641)	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(51.2098, 59.0102,
81.3641)**

Conversions

Conversions Part 1

Format	Color
Hex	9FD2E3
RGB	159, 210, 227
RGB Percent	62%, 82%, 89%
CMY	0.3765, 0.1765, 0.1098
CMYK	0.30, 0.07, 0.00, 0.11
HSL	195°, 55%, 76%
HSV	195°, 30%, 89%
XYZ	51.2098, 59.0102, 81.3641
YIQ	196.6890, -35.8530, -5.5250

Conversions

Conversions Part 2

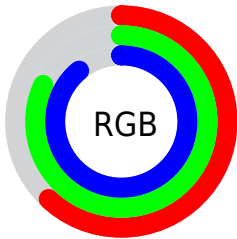
Format	Color
R_{YB}	159, 188, 227
Decimal	10474211
CIE _{Lab}	81.30, -12.53, -13.74
CIE _{LCh}	81, 18.592, 227.636
Yxy	59.0102, 0.2673, 0.3080
Android (android.graphics.Color)	4288664291 (0xFF9FD2E3)
YUV	196.6890, 14.9433, -33.0533
Hunter-Lab	76.8181, -15.4369, -9.0260

Details

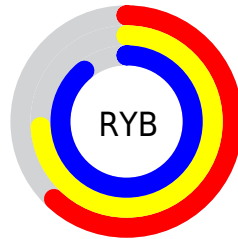
The XYZ color **51.2098, 59.0102, 81.3641** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **53.4627, 49.8852, 39.6133**, and the grayscale version is **52.8132, 55.5636, 60.5087**.

A 20% lighter version of the original color is **81.8343, 93.1871, 108.2815**, and **24.9934, 29.4245, 43.3919** is the 20% darker color. If you saturate the color by 10%, you get **45.7393, 54.1484, 80.7150**, and if you desaturate by 10%, it is **57.5602, 64.4022, 82.0711**.

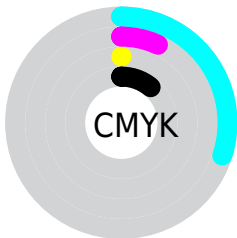
Distribution



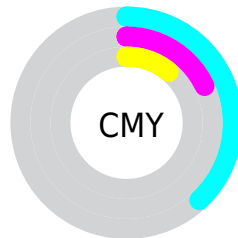
- Red (62%)
- Green (82%)
- Blue (89%)



- Red (62%)
- Yellow (74%)
- Blue (89%)



- Cyan (30%)
- Magenta (7%)
- Yellow (0%)
- Black (11%)



- Cyan (38%)
- Magenta (18%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.2098, 59.0102, 81.3641 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 51.2098, 59.0102, 81.3641 by changing the saturation by 10% instead.

■ 51.2098, 59.0102,
81.3641

■ 51.2098, 59.0102,
81.3641

381.7526,
420.9397, 519.3456

■ 36.5973, 42.6213,
60.3088

■ 91.1460, 103.3925,
137.1106

■ 25.0681, 29.5881,
43.2406

■ 117.2004,
132.1547, 172.6388

■ 16.2568, 19.5262,
29.7412

147.7994,
165.8101, 213.8283

■ 9.7981, 12.0511,
19.3918

183.3086,
204.7432, 261.0978

■ 5.3265, 6.7785,
11.7741

224.0931,
249.3383, 314.8657

■ 2.4768, 3.3240,
6.4694

270.5184,

■ 0.8836, 1.3031,

299.9798, 375.5507

3.0592

322.9498,
357.0522, 443.5711

■ 0.0000, 0.1436,
1.1249

■ 0.0000, 0.0000,
0.0000

■ 51.2098, 59.0102,
81.3641

■ 51.2098, 59.0102,
81.3641

■ 45.7393, 54.1484,
80.7150

■ 57.5602, 64.4022,
82.0711

■ 41.0974, 49.7854,
80.1175

■ 64.8275, 70.3399,
82.8342

■ 37.2359, 45.8970,
79.5705

■ 73.0529, 76.8467,
83.6566

■ 34.0989, 42.4534,
79.0712

■ 82.2737, 83.9426,
84.5403

■ 31.6226, 39.4211,
78.6164

■ 85.7893, 88.1740,
85.1717

■ 29.7313, 36.7603,
78.2025

■ 87.4710, 91.5374,
85.7323

■ 28.2946, 34.4029,
77.8232

■ 89.2052, 95.0059,
86.3104

■ 28.2886, 34.3926,
77.8215

■ 90.8653, 98.3261,
86.8638

Harmonies

Analogous

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



49.2749, 59.0102, 70.9439



51.2098, 59.0102, 81.3641



54.5054, 59.0102, 87.4595

Triad

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



51.2098, 59.0102, 81.3641



63.6936, 59.0102, 68.9357



53.8578, 59.0102, 45.9681

Complementary

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



51.2098, 59.0102, 81.3641



53.4627, 49.8852, 39.6133

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.



57.6998, 59.0102, 45.5626



51.2098, 59.0102, 81.3641



63.5005, 59.0102, 57.9949

Square

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



51.2098, 59.0102, 81.3641



61.7813, 59.0102, 79.7487



61.2653, 59.0102, 49.7251



50.7546, 59.0102, 50.9054

Rectangle

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



51.2098, 59.0102, 81.3641



57.0844, 59.0102, 87.8360



61.2653, 59.0102, 49.7251



55.1021, 59.0102, 45.3196

Sweetspot

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



51.2116, 59.0126, 81.3655



85.3021, 92.2984, 107.9272



49.4932, 65.4002, 50.5051



17.9417, 19.5015, 23.0685



0.0000, 0.0000, 0.0000



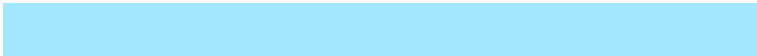
20.3446, 21.4041, 23.3091

Same Dimension

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



51.2116, 59.0126, 81.3655



62.0668, 72.7708, 105.3826



43.9130, 44.4154, 78.9326



14.4864, 15.6941, 18.4101



16.5948, 20.2518, 45.4175



1.2987, 1.6414, 3.3803

Inverse Universe

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



55.7110, 45.7818, 66.8759



68.9458, 53.3547, 83.0481



60.7055, 64.3708, 42.0276



14.8331, 14.5504, 17.3214



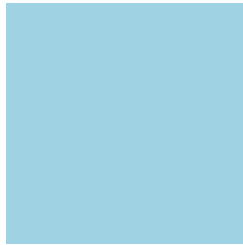
22.7698, 11.2421, 23.4806



1.7192, 0.8454, 1.9277

Previews

White Background



This preview shows how the XYZ color 51.2098, 59.0102, 81.3641 looks on a white background.

Color Contrast Check

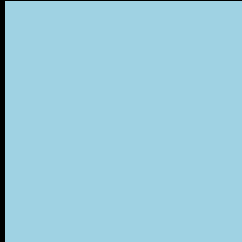
Large Text (above 18pt) WCAG AA × Fail

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 51.2098, 59.0102, 81.3641 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

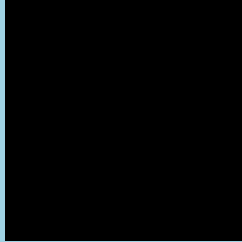
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.2098, 59.0102, 81.3641

Background



This preview shows how black text looks on a background with the XYZ color 51.2098, 59.0102, 81.3641.



This preview shows how white text looks on a background with the XYZ color 51.2098, 59.0102,

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

51.2098, 59.0102, 81.3641

Protanopia

57.2586, 58.6711, 76.7134

Deuteranopia

59.7550, 58.4584, 82.9971



Tritanopia

51.2098, 59.0102, 81.3641

Trichromacy



Original Color

51.2098, 59.0102, 81.3641

Protanomaly

54.6793, 58.7038, 78.2611

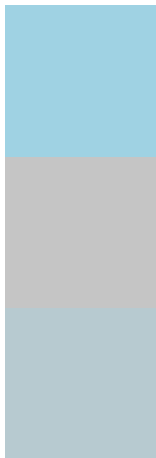
Deuteranomaly

56.2647, 58.3776, 82.4313

Tritanomaly

51.2098, 59.0102, 81.3641

Monochromacy



Original Color

51.2098, 59.0102, 81.3641

Achromatopsia

53.0703, 55.8340, 60.8033

Achromatomaly

52.0341, 56.8624, 67.9076

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.2098, 59.0102, 81.3641 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(159, 210, 227)` looks like.

```
.text, #text, p{  
    color:rgb(159, 210, 227)  
}
```

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(159, 210, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 210, 227) }
```

Border

The CSS property to change the border of an element to XYZ 51.2098, 59.0102, 81.3641 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(159, 210, 227) }
```


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

```
.border{ border-color:rgb(159, 210, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 210, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 210, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 210, 227);  
box-shadow:4px 4px 4px 4px rgb(159, 210,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 51.2098, 59.0102, 81.3641 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 210, 227) }
```

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

```
.background{ background-color: rgb(159,  
210, 227) }
```

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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