

Converting Colors

XYZ(51.1355, 61.4079, 81.3423)

Have a look what the booklet for
XYZ(51.1355, 61.4079, 81.3423)
contains.

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Color

**XYZ(51.0458, 61.1820,
81.0704)**

Conversions

Conversions Part 1

Format	Color
Hex	97D8E2
RGB	151, 216, 226
RGB Percent	59%, 85%, 89%
CMY	0.4078, 0.1529, 0.1137
CMYK	0.33, 0.04, 0.00, 0.11
HSL	188°, 56%, 74%
HSV	188°, 33%, 89%
XYZ	51.0458, 61.1820, 81.0704
YIQ	197.7050, -41.9500, -10.6700

Conversions

Conversions Part 2

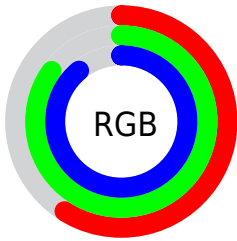
Format	Color
RYB	151, 186, 226
Decimal	9951458
CIELab	82.48, -18.05, -11.48
CIElCh	82, 21.390, 212.474
Yxy	61.1820, 0.2641, 0.3165
Android (android.graphics.Color)	4288141538 (0xFF97D8E2)
YUV	197.7050, 13.9494, -40.9603
Hunter-Lab	78.2189, -20.3937, -6.6982

Details

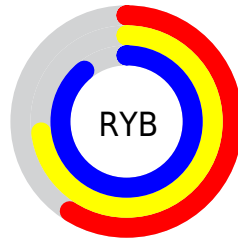
The XYZ color **51.0458, 61.1820, 81.0704** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **49.6957, 43.8934, 35.1326**, and the grayscale version is **53.4352, 56.2180, 61.2214**.

A 20% lighter version of the original color is **79.5421, 92.0054, 108.1742**, and **25.0253, 30.9714, 43.1872** is the 20% darker color. If you saturate the color by 10%, you get **46.4826, 57.6957, 80.6390**, and if you desaturate by 10%, it is **56.4308, 65.1159, 81.5469**.

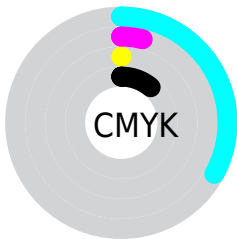
Distribution



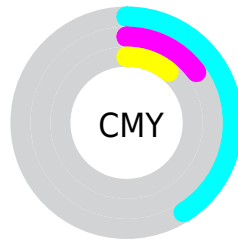
- Red (59%)
- Green (85%)
- Blue (89%)



- Red (59%)
- Yellow (73%)
- Blue (89%)



- Cyan (33%)
- Magenta (4%)
- Yellow (0%)
- Black (11%)





- Cyan (41%)
- Magenta (15%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.0458, 61.1820, 81.0704 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 51.0458, 61.1820, 81.0704 by changing the saturation by 10% instead.


 51.0458, 61.1820,
81.0704


 51.0458, 61.1820,
81.0704


381.1264,
428.9410, 518.3345

 36.4663, 44.3721,
60.0682


 90.9051, 106.5424,
136.6946

 24.9663, 30.9631,
43.0480

 116.9155,
135.8617, 172.1537

 16.1805, 20.5708,
29.5911


147.4669,
170.1195, 213.2688

 9.7436, 12.8106,
19.2790

182.9247,
209.7003, 260.4586

 5.2903, 7.2983,
11.6932

223.6542,
254.9885, 314.1415

 2.4551, 3.6493,
6.4151

270.0207,

 0.8727, 1.4794,

306.3684, 374.7361

3.0263

322.3897,
364.2244, 442.6609

■ 0.0000, 0.2742,
1.1081

■ 0.0000, 0.0000,
0.0000

■ 51.0458, 61.1820,
81.0704

■ 51.0458, 61.1820,
81.0704

■ 46.4826, 57.6957,
80.6390

■ 56.4308, 65.1159,
81.5469

■ 42.6894, 54.6258,
80.2464

■ 62.6746, 69.5122,
82.0664

■ 39.6174, 51.9484,
79.8915

■ 69.8186, 74.3938,
82.6321

■ 37.2095, 49.6341,
79.5717

■ 77.8997, 79.7798,
83.2458

■ 35.3999, 47.6488,
79.2839

■ 83.5624, 83.9406,
83.7505

■ 34.1089, 45.9512,
79.0243

■ 84.4133, 85.6422,
84.0341

■ 33.4393, 44.9144,
78.8594

■ 85.2787, 87.3731,
84.3226

■ 86.1588, 89.1333,
84.6159

■ 87.0536, 90.9229,
84.9142

Harmonies

Analogous

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



49.8032, 61.1820, 67.7097



51.0458, 61.1820, 81.0704



54.1826, 61.1820, 91.5321

Triad

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



51.0458, 61.1820, 81.0704



66.3015, 61.1820, 78.9433



57.7729, 61.1820, 44.4956

Complementary

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



51.0458, 61.1820, 81.0704



49.6957, 43.8934, 35.1326

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.



62.3099, 61.1820, 46.6906



51.0458, 61.1820, 81.0704



67.3845, 61.1820, 65.5357

Square

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



51.0458, 61.1820, 81.0704



63.0008, 61.1820, 90.1952



65.8881, 61.1820, 53.9921



53.5579, 61.1820, 47.5535

Rectangle

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



51.0458, 61.1820, 81.0704



57.0078, 61.1820, 94.8252



65.8881, 61.1820, 53.9921



59.3107, 61.1820, 44.6436

Sweetspot

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



51.0476, 61.1844, 81.0718



85.2080, 93.3307, 108.1314



46.2834, 63.5025, 42.9624



17.9631, 19.7873, 23.1225



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.



51.0476, 61.1844, 81.0718



62.7616, 77.1418, 106.1897



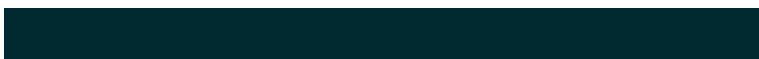
42.7621, 44.6134, 78.3100



13.9526, 15.2443, 17.5948



19.1403, 25.7502, 45.0098



1.3705, 1.8725, 3.1344

Inverse Universe

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



54.8268, 43.2613, 70.4290



68.5687, 50.4175, 89.6527



56.9742, 58.4506, 37.5588



14.2123, 13.9026, 16.8881



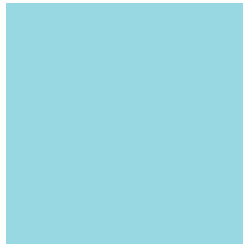
23.6014, 11.5075, 30.8961



1.6580, 0.8065, 2.2580

Previews

White Background



This preview shows how the XYZ color 51.0458, 61.1820, 81.0704 looks on a white background.

Color Contrast Check

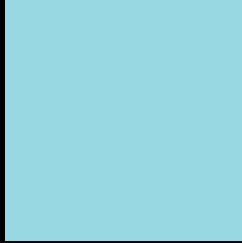
Large Text (above 18pt) WCAG AA × Fail

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 51.0458, 61.1820, 81.0704 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

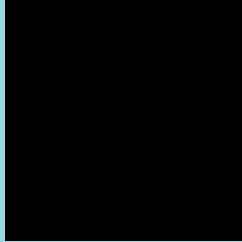
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.0458, 61.1820, 81.0704

Background



This preview shows how black text looks on a background with the XYZ color 51.0458, 61.1820, 81.0704.

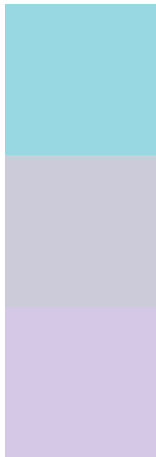


This preview shows how white text looks on a background with the XYZ color 51.0458, 61.1820,

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

51.0458, 61.1820, 81.0704

Protanopia

58.9127, 60.6112, 74.9238

Deuteranopia

62.1469, 60.7062, 83.3049



Tritanopia

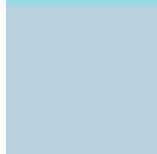
52.0028, 61.1994, 85.4158

Trichromacy



Original Color

51.0458, 61.1820, 81.0704



Protanomaly

55.6146, 60.6465, 77.1814



Deuteranomaly

57.2094, 60.2669, 82.7462



Tritanomaly

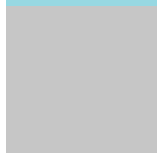
51.5323, 60.9894, 83.9190

Monochromacy



Original Color

51.0458, 61.1820, 81.0704



Achromatopsia

53.6758, 56.4712, 61.4971



Achromatomaly

52.2725, 58.0405, 68.1224

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.0458, 61.1820, 81.0704 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(151, 216, 226)` looks like.

```
.text, #text, p{  
    color:rgb(151, 216, 226)  
}
```

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(151, 216, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 216, 226) }
```

Border

The CSS property to change the border of an element to XYZ 51.0458, 61.1820, 81.0704 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(151, 216, 226) }
```


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

```
.border{ border-color:rgb(151, 216, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 216, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 216, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 216, 226);  
box-shadow:4px 4px 4px 4px rgb(151, 216,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 51.0458, 61.1820, 81.0704 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 216, 226) }
```

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

```
.background{ background-color: rgb(151,  
216, 226) }
```

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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