

Converting Colors

XYZ(51.6840, 55.5000, 76.5674)

Have a look what the booklet for
XYZ(51.6840, 55.5000, 76.5674)
contains.

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Color

**XYZ(51.6060, 55.4144,
76.3827)**

Conversions

Conversions Part 1

Format	Color
Hex	B1C7DD
RGB	177, 199, 221
RGB Percent	69%, 78%, 87%
CMY	0.3059, 0.2196, 0.1333
CMYK	0.20, 0.10, 0.00, 0.13
HSL	210°, 39%, 78%
HSV	210°, 20%, 87%
XYZ	51.6060, 55.4144, 76.3827
YIQ	194.9300, -20.1740, 2.1780

Conversions

Conversions Part 2

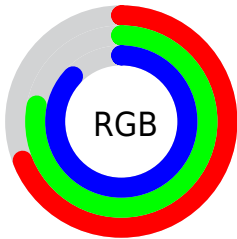
Format	Color
RYB	177, 192, 221
Decimal	11651037
CIELab	79.28, -2.78, -13.43
CIElCh	79, 13.719, 258.294
Yxy	55.4144, 0.2814, 0.3021
Android (android.graphics.Color)	4289841117 (0xFFB1C7DD)
YUV	194.9300, 12.8525, -15.7246
Hunter-Lab	74.4408, -6.5266, -8.7280

Details

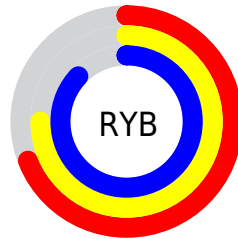
The XYZ color **51.6060, 55.4144, 76.3827** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **58.1785, 59.3933, 49.9939**, and the grayscale version is **51.7659, 54.4618, 59.3089**.

A 20% lighter version of the original color is **87.4143, 96.0636, 108.5427**, and **25.3205, 27.2891, 40.0092** is the 20% darker color. If you saturate the color by 10%, you get **44.5238, 48.1268, 75.3502**, and if you desaturate by 10%, it is **59.6914, 63.4960, 77.5174**.

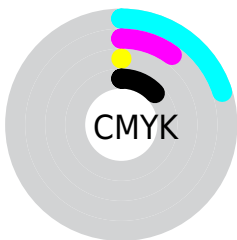
Distribution



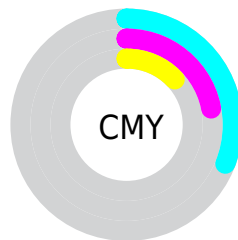
- Red (69%)
- Green (78%)
- Blue (87%)



- Red (69%)
- Yellow (75%)
- Blue (87%)



- Cyan (20%)
- Magenta (10%)
- Yellow (0%)
- Black (13%)



- Cyan (31%)
- Magenta (22%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.6060, 55.4144, 76.3827 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 51.6060, 55.4144, 76.3827 by changing the saturation by 10% instead.

■ 51.6060, 55.4144,
76.3827

■ 51.6060, 55.4144,
76.3827

383.2626,
407.4809, 502.0384

■ 36.9141, 39.7336,
56.2378

■ 91.7276, 98.1479,
130.0328

■ 25.3144, 27.3309,
39.9884

117.8880,
125.9693, 164.3751

■ 16.4414, 17.8219,
27.2158

148.6020,
158.6064, 204.2869

■ 9.9299, 10.8222,
17.5015

184.2349,
196.4436, 250.1869

■ 5.4144, 5.9474,
10.4269

225.1520,
239.8652, 302.4934

■ 2.5296, 2.8131,
5.5736

271.7188,

■ 0.9102, 1.0350,

289.2557, 361.6252

2.5231

324.3006,
344.9995, 428.0007

■ 0.0000, 0.0000,
0.8523

■ 0.0000, 0.0000,
0.0000

■ 51.6060, 55.4144,
76.3827

■ 51.6060, 55.4144,
76.3827

■ 44.5238, 48.1268,
75.3502

■ 59.6914, 63.4960,
77.5174

■ 38.3966, 41.5983,
74.4130

■ 68.8152, 72.3912,
78.7534

■ 33.1797, 35.8014,
73.5691

■ 79.0171, 82.1272,
80.0950

■ 28.8226, 30.7038,
72.8148

■ 86.4017, 90.7012,
81.3607

■ 25.2690, 26.2701,
72.1463

■ 89.8120, 97.5219,
82.4975

■ 22.4554, 22.4610,
71.5594

■ 90.0513, 98.0005,
82.5773

■ 20.3070, 19.2308,
71.0491

■ 18.6962, 16.5065,
70.6082

■ 18.6827, 16.4833,
70.6044

Harmonies

Analogous

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



49.2354, 55.4144, 72.3408



51.6060, 55.4144, 76.3827



54.3440, 55.4144, 75.8578

Triad

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



51.6060, 55.4144, 76.3827



57.8419, 55.4144, 55.7152



48.8266, 55.4144, 50.8279

Complementary

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



51.6060, 55.4144, 76.3827



58.1785, 59.3933, 49.9939

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.



51.0302, 55.4144, 47.0920



51.6060, 55.4144, 76.3827



56.2601, 55.4144, 49.7402

Square

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



51.6060, 55.4144, 76.3827



58.0092, 55.4144, 63.4563



53.7480, 55.4144, 46.7120



47.6684, 55.4144, 57.3214

Rectangle

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



51.6060, 55.4144, 76.3827



56.0088, 55.4144, 72.9959



53.7480, 55.4144, 46.7120



49.4660, 55.4144, 49.2332

Sweetspot

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



51.6077, 55.4167, 76.3840



87.2516, 92.4291, 107.8497



54.2128, 65.1506, 63.3066



18.5007, 19.6127, 23.0605



0.0000, 0.0000, 0.0000



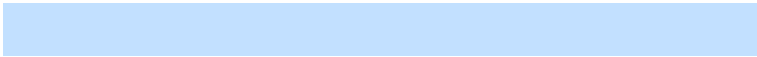
20.3446, 21.4041, 23.3091

Same Dimension

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



51.6077, 55.4167, 76.3840



67.0110, 72.1913, 105.0102



47.0511, 46.3036, 74.8651



12.8739, 13.6876, 16.6156



10.9663, 9.8021, 41.0524



0.7966, 0.8074, 2.6883

Inverse Universe

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



55.8510, 50.9412, 60.9243



73.9966, 65.1583, 79.4849



63.4188, 69.8739, 51.7406



13.3262, 13.1596, 14.9792



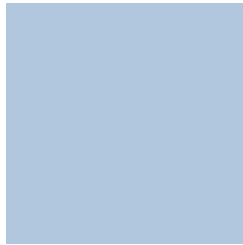
19.0306, 9.6133, 9.8072



1.2764, 0.6402, 0.8644

Previews

White Background



This preview shows how the XYZ color 51.6060, 55.4144, 76.3827 looks on a white background.

Color Contrast Check

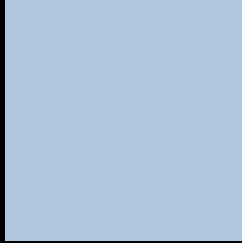
Large Text (above 18pt) WCAG AA × Fail

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 51.6060, 55.4144, 76.3827 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

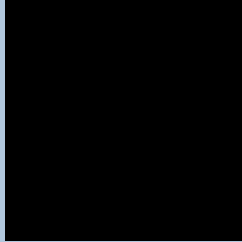
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

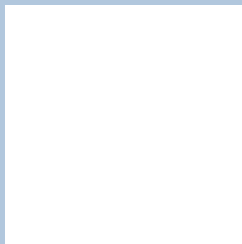
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.6060, 55.4144, 76.3827

Background



This preview shows how black text looks on a background with the XYZ color 51.6060, 55.4144, 76.3827.



This preview shows how white text looks on a background with the XYZ color 51.6060, 55.4144,

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

51.6060, 55.4144, 76.3827

Protanopia

54.1623, 55.4296, 74.1740

Deuteranopia

56.5787, 55.2858, 77.5013



Tritanopia

50.9534, 55.4965, 72.9921

Trichromacy



Original Color

51.6060, 55.4144, 76.3827

Protanomaly

53.0196, 55.1591, 74.8702

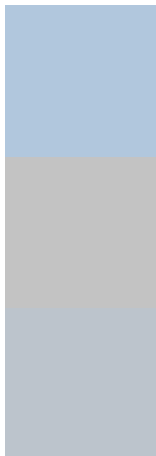
Deuteranomaly

54.7247, 55.3268, 76.9021

Tritanomaly

51.2137, 55.6006, 74.3624

Monochromacy



Original Color

51.6060, 55.4144, 76.3827

Achromatopsia

51.8711, 54.5724, 59.4294

Achromatomaly

51.3780, 54.5309, 64.9443

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.6060, 55.4144, 76.3827 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(177, 199, 221)` looks like.

```
.text, #text, p{  
    color:rgb(177, 199, 221)  
}
```

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(177, 199, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 199, 221) }
```

Border

The CSS property to change the border of an element to XYZ 51.6060, 55.4144, 76.3827 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(177, 199, 221) }
```


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

```
.border{ border-color:rgb(177, 199, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 199, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 199, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 199, 221);  
box-shadow:4px 4px 4px 4px rgb(177, 199,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 51.6060, 55.4144, 76.3827 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 199, 221) }
```

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

```
.background{ background-color: rgb(177,  
199, 221) }
```

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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