

Converting Colors

XYZ(51.6765, 57.7085, 76.6939)

Have a look what the booklet for
XYZ(51.6765, 57.7085, 76.6939)
contains.

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Color

**XYZ(51.6771, 57.5410,
76.7895)**

Conversions

Conversions Part 1

Format	Color
Hex	ABCDDD
RGB	171, 205, 221
RGB Percent	67%, 80%, 87%
CMY	0.3294, 0.1961, 0.1333
CMYK	0.23, 0.07, 0.00, 0.13
HSL	199°, 42%, 77%
HSV	199°, 23%, 87%
XYZ	51.6771, 57.5410, 76.7895
YIQ	196.6580, -25.4000, -2.2320

Conversions

Conversions Part 2

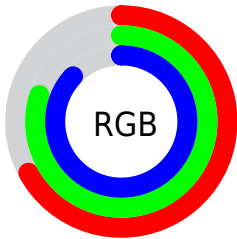
Format	Color
RYB	171, 191, 221
Decimal	11259357
CIELab	80.48, -7.78, -11.67
CIELCh	80, 14.031, 236.304
Yxy	57.5410, 0.2778, 0.3093
Android (android.graphics.Color)	4289449437 (0xFFABCDDD)
YUV	196.6580, 12.0006, -22.5021
Hunter-Lab	75.8558, -11.1437, -6.9208

Details

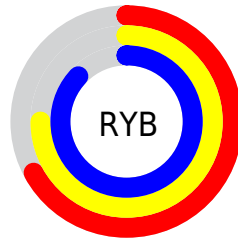
The XYZ color **51.6771, 57.5410, 76.7895** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **54.9406, 53.8535, 46.0286**, and the grayscale version is **52.8071, 55.5572, 60.5018**.

A 20% lighter version of the original color is **85.4886, 95.0709, 108.4525**, and **25.4208, 28.7379, 40.2836** is the 20% darker color. If you saturate the color by 10%, you get **45.6068, 51.9584, 76.0328**, and if you desaturate by 10%, it is **58.6322, 63.6961, 77.6119**.

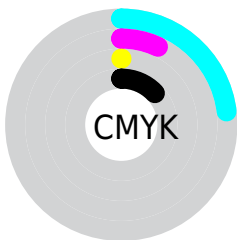
Distribution



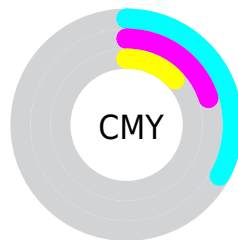
- Red (67%)
- Green (80%)
- Blue (87%)



- Red (67%)
- Yellow (75%)
- Blue (87%)



- Cyan (23%)
- Magenta (7%)
- Yellow (0%)
- Black (13%)



- Cyan (33%)
- Magenta (20%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.6771, 57.5410, 76.7895 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 51.6771, 57.5410, 76.7895 by changing the saturation by 10% instead.

■ 51.6771, 57.5410,
76.7895

■ 51.6771, 57.5410,
76.7895

383.5332,
415.4734, 503.4646

■ 36.9710, 41.4398,
56.5696

■ 91.8319, 101.2541,
130.6126

■ 25.3586, 28.6629,
40.2527

118.0113,
129.6348, 165.0529

■ 16.4746, 18.8259,
27.4204

148.7459,
162.8775, 205.0703

■ 9.9536, 11.5446,
17.6540

184.4009,
201.3664, 251.0835

■ 5.4302, 6.4344,
10.5350

225.3418,
245.4861, 303.5110

■ 2.5392, 3.1110,
5.6449

271.9339,

■ 0.9150, 1.1899,

295.6209, 362.7714

2.5651

324.5426,
352.1552, 429.2830

■ 0.0000, 0.0535,
0.8744

■ 0.0000, 0.0000,
0.0000

■ 51.6771, 57.5410,
76.7895

■ 51.6771, 57.5410,
76.7895

■ 45.6068, 51.9584,
76.0328

■ 58.6322, 63.6961,
77.6119

■ 40.3750, 46.9188,
75.3358

■ 66.5050, 70.4377,
78.4982

■ 35.9392, 42.3999,
74.6974

■ 75.3332, 77.7883,
79.4518

■ 32.2504, 38.3751,
74.1150

■ 83.5120, 84.9218,
80.3976

■ 29.2542, 34.8147,
73.5856

■ 85.5574, 89.0126,
81.0794

■ 26.8878, 31.6848,
73.1062

■ 87.6839, 93.2658,
81.7882

■ 25.0760, 28.9449,
72.6729

■ 89.8926, 97.6830,
82.5245

■ 24.0041, 27.1260,
72.3783

■ 90.0513, 98.0005,
82.5774

Harmonies

Analogous

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



49.8772, 57.5410, 69.9434



51.6771, 57.5410, 76.7895



54.3350, 57.5410, 79.8417

Triad

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



51.6771, 57.5410, 76.7895



60.4031, 57.5410, 63.6798



52.2745, 57.5410, 49.4881

Complementary

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



51.6771, 57.5410, 76.7895



54.9406, 53.8535, 46.0286

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.



55.0486, 57.5410, 48.1263



51.6771, 57.5410, 76.7895



59.8049, 57.5410, 55.8865

Square

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



51.6771, 57.5410, 76.7895



59.4270, 57.5410, 71.8655



57.8199, 57.5410, 50.3664



50.2135, 57.5410, 54.2623

Rectangle

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



51.6771, 57.5410, 76.7895



56.2598, 57.5410, 79.1332



57.8199, 57.5410, 50.3664



53.1516, 57.5410, 48.6351

Sweetspot

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



51.6788, 57.5433, 76.7908



86.9902, 93.1804, 108.0085



51.6041, 63.9527, 56.5459



18.4773, 19.8227, 23.1023



0.0000, 0.0000, 0.0000



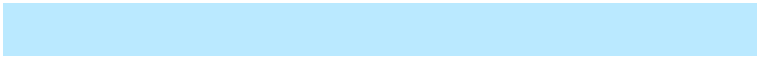
20.3446, 21.4041, 23.3091

Same Dimension

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



51.6788, 57.5433, 76.7908



67.4668, 75.9393, 105.7096



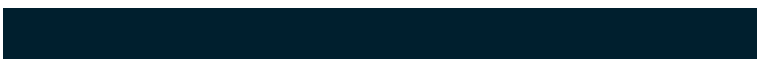
46.2020, 46.5897, 74.9652



13.0753, 14.0904, 16.6827



14.0505, 15.9705, 42.0805



0.9868, 1.1877, 2.7517

Inverse Universe

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



55.4026, 48.9073, 64.2801



73.5343, 62.3226, 85.2228



60.6724, 65.3173, 47.9392



13.4279, 13.2003, 15.5145



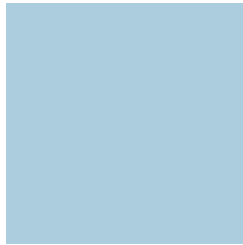
20.5874, 10.2360, 18.0051



1.3724, 0.6786, 1.3698

Previews

White Background



This preview shows how the XYZ color 51.6771, 57.5410, 76.7895 looks on a white background.

Color Contrast Check

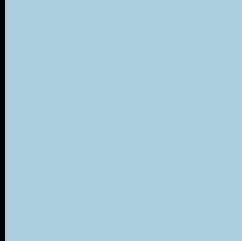
Large Text (above 18pt) WCAG AA × Fail

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 51.6771, 57.5410, 76.7895 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

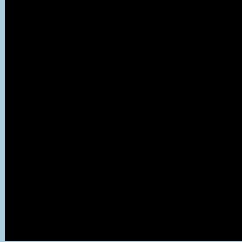
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.6771, 57.5410, 76.7895

Background



This preview shows how black text looks on a background with the XYZ color 51.6771, 57.5410, 76.7895.



This preview shows how white text looks on a background with the XYZ color 51.6771, 57.5410,

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

51.6771, 57.5410, 76.7895

Protanopia

56.0072, 57.4037, 73.7738

Deuteranopia

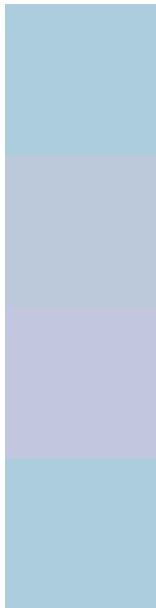
58.3432, 57.1767, 77.7732



Tritanopia

51.6771, 57.5410, 76.7895

Trichromacy



Original Color

51.6771, 57.5410, 76.7895

Protanomaly

54.2806, 57.5266, 74.5725

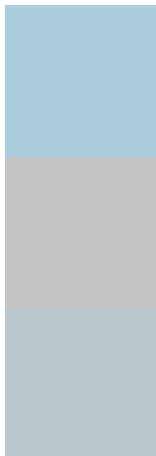
Deuteranomaly

55.6270, 57.1314, 77.2028

Tritanomaly

51.6771, 57.5410, 76.7895

Monochromacy



Original Color

51.6771, 57.5410, 76.7895

Achromatopsia

53.0703, 55.8340, 60.8033

Achromatomaly

52.5339, 56.4562, 66.5208

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.6771, 57.5410, 76.7895 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(171, 205, 221)` looks like.

```
.text, #text, p{  
    color:rgb(171, 205, 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(171, 205, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 205, 221) }
```

Border

The CSS property to change the border of an element to XYZ 51.6771, 57.5410, 76.7895 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(171, 205, 221) }
```


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

```
.border{ border-color:rgb(171, 205, 221) }
```

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

Here you see how a box with a 4 pixel rgb(171, 205, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 205, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 205, 221);  
box-shadow:4px 4px 4px 4px rgb(171, 205,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 51.6771, 57.5410, 76.7895 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 205, 221) }
```

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

```
.background{ background-color: rgb(171,  
205, 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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