

Converting Colors

XYZ(47.3461, 50.9843, 80.5754)

Have a look what the booklet for
XYZ(47.3461, 50.9843, 80.5754)
contains.

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Color

**XYZ(47.3716, 51.1123,
80.7677)**

Conversions

Conversions Part 1

Format	Color
Hex	9FC1E4
RGB	159, 193, 228
RGB Percent	62%, 76%, 89%
CMY	0.3765, 0.2431, 0.1059
CMYK	0.30, 0.15, 0.00, 0.11
HSL	210°, 56%, 76%
HSV	210°, 30%, 89%
XYZ	47.3716, 51.1123, 80.7677
YIQ	186.8240, -31.4990, 3.6770

Conversions

Conversions Part 2

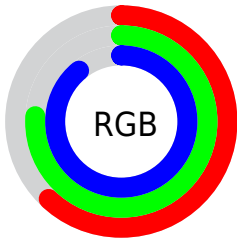
Format	Color
R_{YB}	159, 182, 228
Decimal	10469860
CIE _{Lab}	76.75, -3.34, -21.14
CIE _{LCh}	77, 21.400, 261.009
Yxy	51.1123, 0.2643, 0.2851
Android (android.graphics.Color)	4288659940 (0xFF9FC1E4)
YUV	186.8240, 20.2998, -24.4016
Hunter-Lab	71.4929, -6.8374, -16.9367

Details

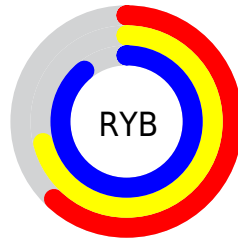
The XYZ color **47.3716, 51.1123, 80.7677** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **57.5454, 57.5812, 40.8835**, and the grayscale version is **47.0382, 49.4878, 53.8922**.

A 20% lighter version of the original color is **79.9500, 89.4184, 107.6534**, and **22.8648, 24.8375, 43.1242** is the 20% darker color. If you saturate the color by 10%, you get **40.8034, 44.0793, 79.7573**, and if you desaturate by 10%, it is **54.9769, 58.9791, 81.8862**.

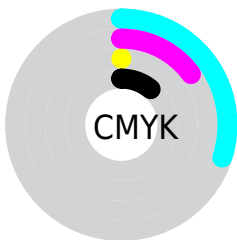
Distribution



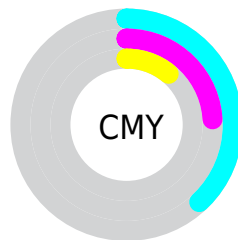
- Red (62%)
- Green (76%)
- Blue (89%)



- Red (62%)
- Yellow (71%)
- Blue (89%)



- Cyan (30%)
- Magenta (15%)
- Yellow (0%)
- Black (11%)



- Cyan (38%)
- Magenta (24%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.3716, 51.1123, 80.7677 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 47.3716, 51.1123, 80.7677 by changing the saturation by 10% instead.

■ 47.3716, 51.1123,
80.7677

■ 47.3716, 51.1123,
80.7677

366.9200,
390.9999, 517.2911

■ 33.5387, 36.2980,
59.8204

■ 85.4834, 91.8207,
136.2657

■ 22.7006, 24.6644,
42.8496

■ 110.4930,
118.4837, 171.6534

■ 14.4921, 15.8272,
29.4366

139.9589,
149.8649, 212.6918

■ 8.5477, 9.4020,
19.1629

174.2465,
186.3489, 259.7993

■ 4.5021, 5.0043,
11.6100

213.7210,
228.3200, 313.3944

■ 1.9899, 2.2498,
6.3594

258.7478,

■ 0.6283, 0.7469,

276.1626, 373.8957

2.9925

309.6924,
330.2611, 441.7218

■ 0.0000, 0.0000,
1.0908

■ 0.0000, 0.0000,
0.0000

■ 47.3716, 51.1123,
80.7677

■ 47.3716, 51.1123,
80.7677

■ 40.8034, 44.0793,
79.7573

■ 54.9769, 58.9791,
81.8862

■ 35.2169, 37.8413,
78.8476

■ 63.6613, 67.7043,
83.1126

■ 30.5588, 32.3650,
78.0361

■ 73.4700, 77.3188,
84.4514

■ 26.7680, 27.6115,
77.3184

■ 84.4445, 87.8500,
85.9057

■ 23.7752, 23.5377,
76.6898

■ 89.6870, 95.7480,
87.1539

■ 21.4987, 20.0935,
76.1450

■ 91.0038, 98.3815,
87.5928

■ 19.8371, 17.2681,
75.6872

Harmonies

Analogous

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



43.8353, 51.1123, 74.8883



47.3716, 51.1123, 80.7677



51.4318, 51.1123, 79.2256

Triad

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



47.3716, 51.1123, 80.7677



56.2339, 51.1123, 48.0202



42.7656, 51.1123, 42.7444

Complementary

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



47.3716, 51.1123, 80.7677



57.5454, 57.5812, 40.8835

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.



45.8370, 51.1123, 37.2915



47.3716, 51.1123, 80.7677



53.6568, 51.1123, 40.0298

Square

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



47.3716, 51.1123, 80.7677



56.7013, 51.1123, 59.2181



49.8102, 51.1123, 36.3720



41.2750, 51.1123, 52.2332

Rectangle

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



47.3716, 51.1123, 80.7677



53.8820, 51.1123, 74.2735



49.8102, 51.1123, 36.3720



43.6390, 51.1123, 40.4372

Sweetspot

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



47.3732, 51.1143, 80.7689



83.5032, 88.7006, 107.3276



51.7241, 66.7314, 60.9005



17.4978, 18.6137, 22.9205



0.0000, 0.0000, 0.0000



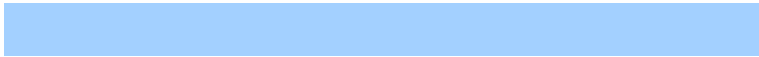
20.3446, 21.4041, 23.3091

Same Dimension

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



47.3732, 51.1143, 80.7689



55.8578, 60.3528, 103.3130



40.7010, 37.7700, 78.5448



14.1664, 15.0542, 18.3034



11.5727, 10.2075, 43.7435



0.9480, 0.9399, 3.2634

Inverse Universe

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



54.0200, 45.1419, 56.3204



65.8118, 52.1011, 66.5447



65.9973, 74.4849, 43.7008



14.6716, 14.4858, 16.4709



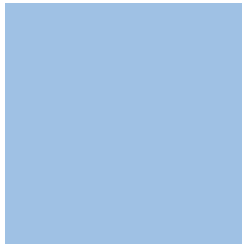
20.2349, 10.2282, 10.1318



1.5421, 0.7746, 0.9954

Previews

White Background



This preview shows how the XYZ color 47.3716, 51.1123, 80.7677 looks on a white background.

Color Contrast Check

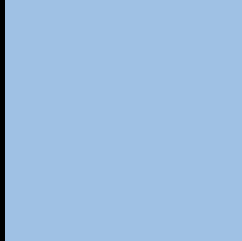
Large Text (above 18pt) WCAG AA × Fail

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 47.3716, 51.1123, 80.7677 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

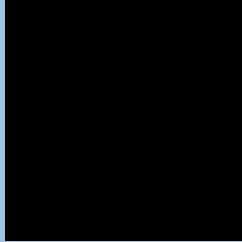
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

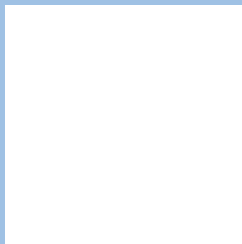
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.3716, 51.1123, 80.7677

Background



This preview shows how black text looks on a background with the XYZ color 47.3716, 51.1123, 80.7677.



This preview shows how white text looks on a background with the XYZ color 47.3716, 51.1123,

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

47.3716, 51.1123, 80.7677

Protanopia

50.2809, 50.7462, 77.6659

Deuteranopia

52.1254, 50.9759, 81.9549



Tritanopia

45.0154, 51.1516, 69.1287

Trichromacy



Original Color

47.3716, 51.1123, 80.7677

Protanomaly

49.0218, 50.7157, 78.4395

Deuteranomaly

50.2575, 50.9707, 81.3182

Tritanomaly

45.7498, 51.1079, 73.0992

Monochromacy



Original Color

47.3716, 51.1123, 80.7677

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

46.9897, 50.0066, 63.0527

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.3716, 51.1123, 80.7677 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, 193, 228)` looks like.

```
.text, #text, p{  
    color:rgb(159, 193, 228)  
}
```

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, 193, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 193, 228) }
```

Border

The CSS property to change the border of an element to XYZ 47.3716, 51.1123, 80.7677 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, 193, 228) }
```


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

```
.border{ border-color:rgb(159, 193, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 193, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 193, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 193, 228);  
box-shadow:4px 4px 4px 4px rgb(159, 193,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 47.3716, 51.1123, 80.7677 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 193, 228) }
```

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

```
.background{ background-color: rgb(159,  
193, 228) }
```

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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