

Converting Colors

XYZ(49.3022, 51.4201, 75.4216)

Have a look what the booklet for
XYZ(49.3022, 51.4201, 75.4216)
contains.

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Color

**XYZ(49.3611, 51.5960,
75.7640)**

Conversions

Conversions Part 1

Format	Color
Hex	AFBFDD
RGB	175, 191, 221
RGB Percent	69%, 75%, 87%
CMY	0.3137, 0.2510, 0.1333
CMYK	0.21, 0.14, 0.00, 0.13
HSL	219°, 40%, 78%
HSV	219°, 21%, 87%
XYZ	49.3611, 51.5960, 75.7640
YIQ	189.6360, -19.1660, 5.9380

Conversions

Conversions Part 2

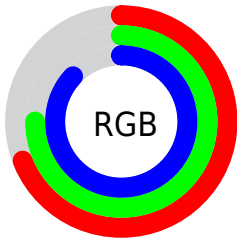
Format	Color
R _Y B	175, 187, 221
Decimal	11517917
CIE Lab	77.04, 0.87, -16.82
CIE LCh	77, 16.839, 272.969
Yxy	51.5960, 0.2793, 0.2920
Android (android.graphics.Color)	4289707997 (0xFFAFBFDD)
YUV	189.6360, 15.4625, -12.8358
Hunter-Lab	71.8304, -3.0397, -12.2556

Details

The XYZ color **49.3611, 51.5960, 75.7640** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **59.3884, 62.1299, 49.4208**, and the grayscale version is **48.6574, 51.1914, 55.7474**.

A 20% lighter version of the original color is **84.2658, 90.7305, 107.6792**, and **23.9975, 25.0677, 39.6501** is the 20% darker color. If you saturate the color by 10%, you get **41.8114, 43.2666, 74.5550**, and if you desaturate by 10%, it is **58.0351, 60.9667, 77.1164**.

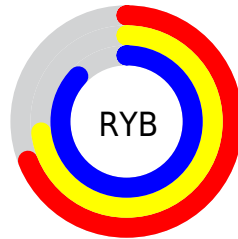
Distribution



Red (69%)

Green (75%)

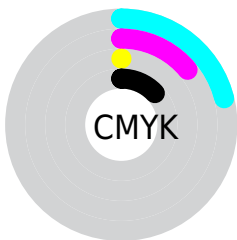
Blue (87%)



Red (69%)

Yellow (73%)

Blue (87%)

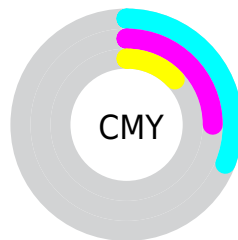


Cyan (21%)

Magenta (14%)

Yellow (0%)

Black (13%)



Cyan (31%)

Magenta (25%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.3611, 51.5960, 75.7640 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 49.3611, 51.5960, 75.7640 by changing the saturation by 10% instead.

■ 49.3611, 51.5960,
75.7640

■ 49.3611, 51.5960,
75.7640

374.6556,
392.8750, 499.8648

■ 35.1217, 36.6832,
55.7335

■ 88.4250, 92.5352,
129.1503

■ 23.9236, 24.9623,
39.5867

113.9803,
119.3303, 163.3432

■ 15.4014, 16.0489,
26.9052

144.0382,
150.8549, 203.0939

■ 9.1897, 9.5588,
17.2702

178.9642,
187.4935, 248.8211

■ 4.9232, 5.1074,
10.2633

219.1236,
229.6304, 300.9432

■ 2.2366, 2.3104,
5.4660

264.8817,

■ 0.7619, 0.7792,

277.6500, 359.8788

2.4597

316.6039,
331.9367, 426.0465

■ 0.0000, 0.0000,
0.8187

■ 0.0000, 0.0000,
0.0000

■ 49.3611, 51.5960,
75.7640

■ 49.3611, 51.5960,
75.7640

■ 41.8114, 43.2666,
74.5550

■ 58.0351, 60.9667,
77.1164

■ 35.3328, 35.9341,
73.4812

■ 67.8738, 71.4083,
78.6133

■ 29.8749, 29.5599,
72.5385

■ 78.9216, 82.9571,
80.2601

■ 25.3810, 24.1003,
71.7215

■ 88.0596, 94.0172,
81.9133

■ 21.7885, 19.5076,
71.0244

■ 90.0513, 98.0005,
82.5772

■ 19.0266, 15.7292,
70.4407

■ 17.0122, 12.7049,
69.9631

■ 15.6968, 10.5115,
69.6090

Harmonies

Analogous

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



46.2862, 51.5960, 73.4577



49.3611, 51.5960, 75.7640



52.4795, 51.5960, 72.3675

Triad

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



49.3611, 51.5960, 75.7640



54.4078, 51.5960, 47.0913



43.7411, 51.5960, 48.5164

Complementary

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



49.3611, 51.5960, 75.7640



59.3884, 62.1299, 49.4208

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.



45.7550, 51.5960, 42.6054



49.3611, 51.5960, 75.7640



51.9018, 51.5960, 41.8479

Square

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



49.3611, 51.5960, 75.7640



55.4719, 51.5960, 55.2679



48.7212, 51.5960, 40.2988



43.1264, 51.5960, 57.1006

Rectangle

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



49.3611, 51.5960, 75.7640



54.1391, 51.5960, 67.5218



48.7212, 51.5960, 40.2988



44.2724, 51.5960, 46.1839

Sweetspot

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



49.3627, 51.5981, 75.7652



86.5426, 91.0112, 107.6134



54.5440, 65.2308, 67.4113



18.3333, 19.2779, 23.0047



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.



49.3627, 51.5981, 75.7652



63.5006, 66.1324, 104.0257



47.6500, 45.8145, 74.7391



12.7073, 13.3543, 16.5600



9.2143, 6.2981, 40.4684



0.6760, 0.5661, 2.6481

Inverse Universe

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



54.5540, 49.7949, 56.0286



71.9899, 63.4565, 71.6893



61.3560, 69.1201, 50.6663



13.2421, 13.1259, 14.5363



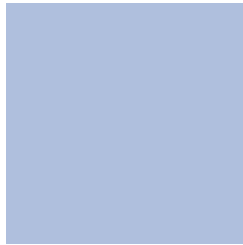
18.1463, 9.2596, 5.1505



1.2155, 0.6158, 0.5437

Previews

White Background



This preview shows how the XYZ color 49.3611, 51.5960, 75.7640 looks on a white background.

Color Contrast Check

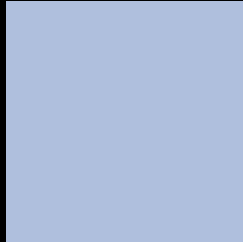
Large Text (above 18pt) WCAG AA × Fail

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 49.3611, 51.5960, 75.7640 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

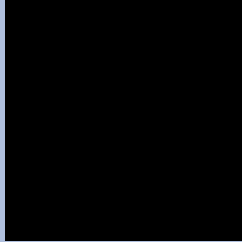
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.3611, 51.5960, 75.7640

Background



This preview shows how black text looks on a background with the XYZ color 49.3611, 51.5960, 75.7640.



This preview shows how white text looks on a background with the XYZ color 49.3611, 51.5960,

75.7640.

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

49.3611, 51.5960, 75.7640

Protanopia

50.5366, 51.2713, 74.2506

Deuteranopia

52.5261, 51.3093, 76.2425



Tritanopia

47.6887, 51.5782, 67.1166

Trichromacy



Original Color

49.3611, 51.5960, 75.7640

Protanomaly

50.1719, 51.3863, 74.9843

Deuteranomaly

51.2048, 51.2537, 76.3014

Tritanomaly

48.3154, 51.5020, 70.3452

Monochromacy



Original Color

49.3611, 51.5960, 75.7640

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

48.9637, 51.3582, 62.5908

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.3611, 51.5960, 75.7640 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(175, 191, 221)` looks like.

```
.text, #text, p{  
    color:rgb(175, 191, 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(175, 191, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 191, 221) }
```

Border

The CSS property to change the border of an element to XYZ 49.3611, 51.5960, 75.7640 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(175, 191, 221) }
```


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

```
.border{ border-color:rgb(175, 191, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 191, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 191, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 191, 221);  
box-shadow:4px 4px 4px 4px rgb(175, 191,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 49.3611, 51.5960, 75.7640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 191, 221) }
```

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

```
.background{ background-color: rgb(175,  
191, 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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