

Converting Colors

XYZ(49.2480, 51.3975, 88.7219)

Have a look what the booklet for
XYZ(49.2480, 51.3975, 88.7219)
contains.

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Color

**XYZ(49.1111, 51.1750,
88.9507)**

Conversions

Conversions Part 1

Format	Color
Hex	A2BFEF
RGB	162, 191, 239
RGB Percent	64%, 75%, 94%
CMY	0.3647, 0.2510, 0.0627
CMYK	0.32, 0.20, 0.00, 0.06
HSL	217°, 71%, 79%
HSV	217°, 32%, 94%
XYZ	49.1111, 51.1750, 88.9507
YIQ	187.8010, -32.6920, 8.7800

Conversions

Conversions Part 2

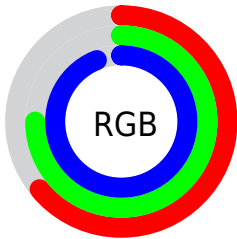
Format	Color
RYB	162, 183, 239
Decimal	10665967
CIELab	76.78, 1.29, -26.99
CIElCh	77, 27.021, 272.728
Yxy	51.1750, 0.2595, 0.2704
Android (android.graphics.Color)	4288856047 (0xFFA2BFEF)
YUV	187.8010, 25.2411, -22.6275
Hunter-Lab	71.5367, -2.6461, -23.6471

Details

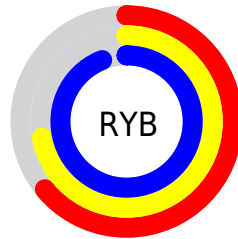
The XYZ color **49.1111, 51.1750, 88.9507** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **65.1657, 67.0534, 43.6920**, and the grayscale version is **47.5631, 50.0401, 54.4936**.

A 20% lighter version of the original color is **80.2242, 88.6470, 107.4900**, and **23.8201, 24.7840, 48.3281** is the 20% darker color. If you saturate the color by 10%, you get **41.6245, 42.7361, 87.7173**, and if you desaturate by 10%, it is **57.8542, 60.7546, 90.3398**.

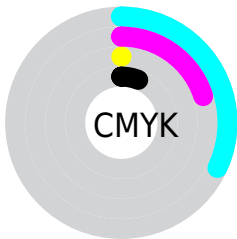
Distribution



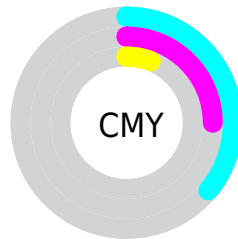
- Red (64%)
- Green (75%)
- Blue (94%)



- Red (64%)
- Yellow (72%)
- Blue (94%)



- Cyan (32%)
- Magenta (20%)
- Yellow (0%)
- Black (6%)



- Cyan (36%)
- Magenta (25%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.1111, 51.1750, 88.9507 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 49.1111, 51.1750, 88.9507 by changing the saturation by 10% instead.

■ 49.1111, 51.1750,
88.9507

■ 49.1111, 51.1750,
88.9507

373.6892,
391.2433, 545.0934

■ 34.9225, 36.3479,
66.5419

■ 88.0562, 91.9134,
147.8028

■ 23.7694, 24.7030,
48.2532

■ 113.5434,
118.5935, 185.0831

■ 15.2865, 15.8559,
33.6660

143.5275,
149.9934, 228.1577

■ 9.1083, 9.4223,
22.3619

178.3739,
186.4974, 277.4451

■ 4.8696, 5.0176,
13.9222

218.4479,
228.4900, 333.3638

■ 2.2049, 2.2576,
7.9284

264.1149,

■ 0.7453, 0.7511,

276.3556, 396.3324

3.9621

315.7402,
330.4786, 466.7694

■ 0.0000, 0.0000,
1.6046

■ 0.0000, 0.0000,
0.2941

■ 49.1111, 51.1750,
88.9507

■ 49.1111, 51.1750,
88.9507

■ 41.6245, 42.7361,
87.7173

■ 57.8542, 60.7546,
90.3398

■ 35.3271, 35.3852,
86.6303

■ 67.9065, 71.5126,
91.8865

■ 30.1526, 29.0739,
85.6849

■ 79.3236, 83.4921,
93.5971

■ 26.0256, 23.7473,
84.8742

■ 91.1917, 96.2352,
95.4312

■ 22.8602, 19.3440,
84.1912

■ 92.5802, 99.0121,
95.8940

■ 20.5544, 15.7934,
83.6273

■ 19.2377, 13.5472,
83.2632

Harmonies

Analogous

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



44.2612, 51.1750, 84.7745



49.1111, 51.1750, 88.9507



54.1678, 51.1750, 83.0091

Triad

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



49.1111, 51.1750, 88.9507



57.4145, 51.1750, 41.8068



40.3929, 51.1750, 43.7585

Complementary

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



49.1111, 51.1750, 88.9507



65.1657, 67.0534, 43.6920

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.



43.5023, 51.1750, 35.1831



49.1111, 51.1750, 88.9507



53.2991, 51.1750, 34.2032

Square

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



49.1111, 51.1750, 88.9507



59.1678, 51.1750, 54.3876



48.1725, 51.1750, 32.0081



39.4421, 51.1750, 57.0757

Rectangle

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



49.1111, 51.1750, 88.9507



56.9153, 51.1750, 74.6291



48.1725, 51.1750, 32.0081



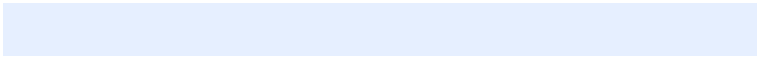
41.2090, 51.1750, 40.3110

Sweetspot

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



49.1128, 51.1770, 88.9519



81.4199, 85.7544, 106.8687



57.3367, 74.0430, 71.9069



17.0450, 17.9513, 22.8165



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.



49.1128, 51.1770, 88.9519



50.7448, 52.3859, 102.0447



45.2928, 40.7304, 87.1368



15.3851, 16.2043, 20.0385



10.7472, 7.7187, 46.0513



0.9868, 0.8276, 3.8619

Inverse Universe

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



57.9223, 47.9546, 55.4956



62.6795, 48.7367, 56.5594



70.0277, 81.1684, 46.1603



16.0191, 15.8573, 17.6566



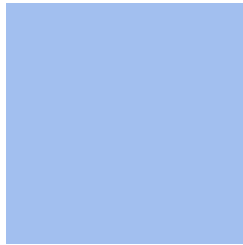
20.7503, 10.5726, 6.6018



1.7730, 0.8983, 0.7957

Previews

White Background



This preview shows how the XYZ color 49.1111, 51.1750, 88.9507 looks on a white background.

Color Contrast Check

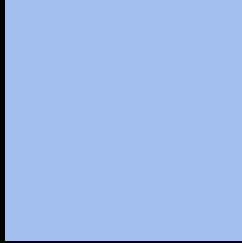
Large Text (above 18pt) WCAG AA × Fail

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 49.1111, 51.1750, 88.9507 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

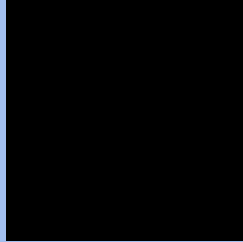
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.1111, 51.1750, 88.9507

Background



This preview shows how black text looks on a background with the XYZ color 49.1111, 51.1750, 88.9507.



This preview shows how white text looks on a background with the XYZ color 49.1111, 51.1750,

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

49.1111, 51.1750, 88.9507

Protanopia

51.0421, 50.9439, 86.4998

Deuteranopia

52.3431, 51.2328, 89.5682



Tritanopia

45.3339, 51.3012, 69.8001

Trichromacy



Original Color

49.1111, 51.1750, 88.9507

Protanomaly

50.2825, 50.8515, 87.2859

Deuteranomaly

51.1670, 51.2564, 89.6348

Tritanomaly

46.5772, 51.1266, 76.5208

Monochromacy



Original Color

49.1111, 51.1750, 88.9507

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

48.0505, 50.4839, 66.2433

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.1111, 51.1750, 88.9507 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(162, 191, 239)` looks like.

```
.text, #text, p{  
    color:rgb(162, 191, 239)  
}
```

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(162, 191, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 191, 239) }
```

Border

The CSS property to change the border of an element to XYZ 49.1111, 51.1750, 88.9507 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(162, 191, 239) }
```


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

```
.border{ border-color:rgb(162, 191, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 191, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 191, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 191, 239);  
box-shadow:4px 4px 4px 4px rgb(162, 191,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 49.1111, 51.1750, 88.9507 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 191, 239) }
```

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

```
.background{ background-color: rgb(162,  
191, 239) }
```

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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