

Converting Colors

XYZ(44.2865, 50.7310, 81.1932)

Have a look what the booklet for
XYZ(44.2865, 50.7310, 81.1932)
contains.

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Color

**XYZ(44.2864, 50.8523,
80.8801)**

Conversions

Conversions Part 1

Format	Color
Hex	89C5E4
RGB	137, 197, 228
RGB Percent	54%, 77%, 89%
CMY	0.4627, 0.2274, 0.1059
CMYK	0.40, 0.14, 0.00, 0.11
HSL	200°, 63%, 72%
HSV	200°, 40%, 89%
XYZ	44.2864, 50.8523, 80.8801
YIQ	182.5940, -45.7110, -3.0790

Conversions

Conversions Part 2

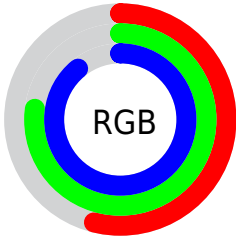
Format	Color
R _Y B	137, 173, 228
Decimal	9029092
CIE Lab	76.59, -11.47, -21.49
CIE LCh	77, 24.360, 241.922
Yxy	50.8523, 0.2516, 0.2889
Android (android.graphics.Color)	4287219172 (0xFF89C5E4)
YUV	182.5940, 22.3852, -39.9859
Hunter-Lab	71.3108, -13.9394, -17.3287

Details

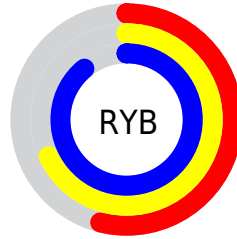
The XYZ color **44.2864, 50.8523, 80.8801** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **50.5140, 46.3065, 29.9442**, and the grayscale version is **44.6882, 47.0155, 51.1999**.

A 20% lighter version of the original color is **75.4841, 89.4411, 107.8932**, and **20.8450, 24.4559, 43.1570** is the 20% darker color. If you saturate the color by 10%, you get **39.2183, 45.6897, 80.1516**, and if you desaturate by 10%, it is **50.2383, 56.6077, 81.6782**.

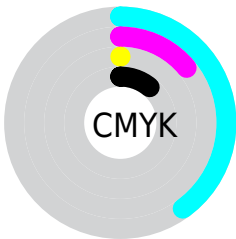
Distribution



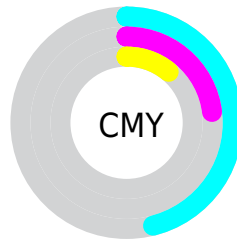
- Red (54%)
- Green (77%)
- Blue (89%)



- Red (54%)
- Yellow (68%)
- Blue (89%)



- Cyan (40%)
- Magenta (14%)
- Yellow (0%)
- Black (11%)



- Cyan (46%)
- Magenta (23%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 44.2864, 50.8523, 80.8801 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 44.2864, 50.8523, 80.8801 by changing the saturation by 10% instead.

■ 44.2864, 50.8523,
80.8801

■ 44.2864, 50.8523,
80.8801

354.7082,
389.9897, 517.6787

■ 31.0946, 36.0911,
59.9124

■ 80.8922, 91.4364,
136.4250

■ 20.8231, 24.5045,
42.9232

■ 105.0369,
118.0281, 171.8392

■ 13.1065, 15.7083,
29.4939

■ 133.5634,
149.3320, 212.9061

■ 7.5794, 9.3180,
19.2060

166.8368,
185.7326, 260.0441

■ 3.8765, 4.9492,
11.6409

205.2227,
227.6143, 313.6719

■ 1.6325, 2.2175,
6.3801

249.0863,

■ 0.4135, 0.7295,

275.3615, 374.2079

3.0051

298.7930,
329.3584, 442.0706

■ 0.0000, 0.0000,
1.0972

■ 0.0000, 0.0000,
0.0000

■ 44.2864, 50.8523,
80.8801

■ 44.2864, 50.8523,
80.8801

■ 39.2183, 45.6897,
80.1516

■ 50.2383, 56.6077,
81.6782

■ 34.9776, 41.0854,
79.4864

■ 57.1162, 62.9762,
82.5449

■ 31.5087, 37.0097,
78.8826

■ 64.9654, 69.9843,
83.4839

■ 28.7463, 33.4270,
78.3366

■ 73.8265, 77.6546,
84.4974

■ 26.6130, 30.2953,
77.8446

■ 83.7378, 86.0089,
85.5876

■ 24.9770, 27.5442,
77.3998

■ 87.4755, 91.3249,
86.4167

■ 24.9634, 27.5207,
77.3960

■ 89.8569, 96.0879,
87.2105

■ 91.0038, 98.3815,
87.5928

Harmonies

Analogous

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



41.2039, 50.8523, 69.8830



44.2864, 50.8523, 80.8801



48.6311, 50.8523, 84.7628

Triad

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



44.2864, 50.8523, 80.8801



57.7298, 50.8523, 54.5236



43.8031, 50.8523, 36.5216

Complementary

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



44.2864, 50.8523, 80.8801



50.5140, 46.3065, 29.9442

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.



48.0373, 50.8523, 33.7034



44.2864, 50.8523, 80.8801



56.2416, 50.8523, 43.0189

Square

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



44.2864, 50.8523, 80.8801



56.5707, 50.8523, 68.1772



52.6201, 50.8523, 35.8811



40.9376, 50.8523, 44.2756

Rectangle

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



44.2864, 50.8523, 80.8801



51.7138, 50.8523, 82.3701



52.6201, 50.8523, 35.8811



45.1039, 50.8523, 35.0265

Sweetspot

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



44.2880, 50.8543, 80.8813



81.4389, 88.1800, 107.3359



45.0672, 63.6087, 46.6250



17.1388, 18.6149, 22.9397



0.0000, 0.0000, 0.0000



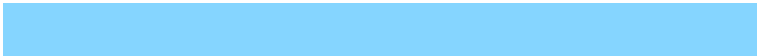
20.3446, 21.4041, 23.3091

Same Dimension

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



44.2880, 50.8543, 80.8813



51.5308, 59.9160, 103.4567



35.5769, 33.4321, 77.9776



14.3724, 15.4661, 18.3721



14.5287, 16.1195, 44.7288



1.1590, 1.3619, 3.3337

Inverse Universe

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



51.0200, 38.4181, 57.5517



61.6218, 42.7453, 68.1567



60.2637, 65.8060, 33.1941



14.7755, 14.5274, 17.0184



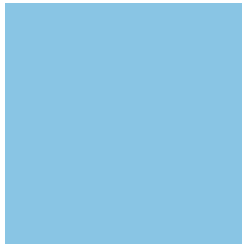
21.7269, 10.8250, 17.9888



1.6486, 0.8172, 1.5562

Previews

White Background



This preview shows how the XYZ color 44.2864, 50.8523, 80.8801 looks on a white background.

Color Contrast Check

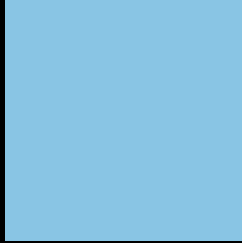
Large Text (above 18pt) WCAG AA × Fail

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 44.2864, 50.8523, 80.8801 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 44.2864, 50.8523, 80.8801

Background



This preview shows how black text looks on a background with the XYZ color 44.2864, 50.8523, 80.8801.



This preview shows how white text looks on a background with the XYZ color 44.2864, 50.8523,

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

44.2864, 50.8523, 80.8801

Protanopia

50.1129, 50.7062, 75.5527

Deuteranopia

51.5719, 50.3648, 82.6046



Tritanopia

42.5207, 50.8215, 71.8584

Trichromacy



Original Color

44.2864, 50.8523, 80.8801

Protanomaly

47.8112, 50.7504, 77.7969

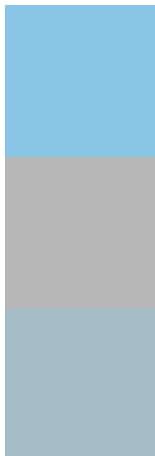
Deuteranomaly

48.6290, 50.4332, 82.0345

Tritanomaly

43.1040, 50.7064, 75.2256

Monochromacy



Original Color

44.2864, 50.8523, 80.8801

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

44.0179, 48.1970, 61.0158

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.2864, 50.8523, 80.8801 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(137, 197, 228)` looks like.

```
.text, #text, p{  
    color:rgb(137, 197, 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(137, 197, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 197, 228) }
```

Border

The CSS property to change the border of an element to XYZ 44.2864, 50.8523, 80.8801 is called "border". The border property can be set on classes, ids or directly on the HTML element.

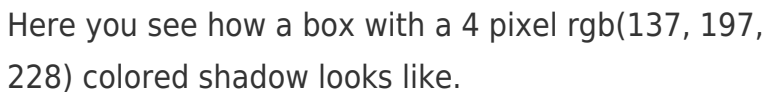
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(137, 197, 228) }
```


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

```
.border{ border-color:rgb(137, 197, 228) }
```

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



Here you see how a box with a 4 pixel `rgb(137, 197, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(137, 197, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(137, 197, 228); box-shadow:4px 4px 4px 4px rgb(137, 197, 228) }
```

Background

The CSS property to change the background color of an element to XYZ 44.2864, 50.8523, 80.8801 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 197, 228) }
```

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

```
.background{ background-color: rgb(137,  
197, 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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