

Converting Colors

XYZ(44.3234, 48.2202, 90.5367)

Have a look what the booklet for
XYZ(44.3234, 48.2202, 90.5367)
contains.

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Color

**XYZ(44.2823, 48.3287,
90.2135)**

Conversions

Conversions Part 1

Format	Color
Hex	87BEF1
RGB	135, 190, 241
RGB Percent	53%, 75%, 95%
CMY	0.4706, 0.2549, 0.0549
CMYK	0.44, 0.21, 0.00, 0.05
HSL	209°, 79%, 74%
HSV	209°, 44%, 95%
XYZ	44.2823, 48.3287, 90.2135
YIQ	179.3690, -49.1510, 4.2010

Conversions

Conversions Part 2

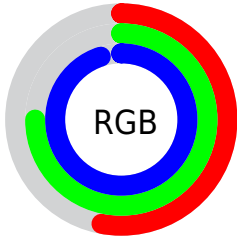
Format	Color
R_YB	135, 171, 241
Decimal	8896241
CIE Lab	75.03, -4.76, -30.89
CIE LCh	75, 31.259, 261.235
Yxy	48.3287, 0.2422, 0.2643
Android (android.graphics.Color)	4287086321 (0xFF87BEF1)
YUV	179.3690, 30.3841, -38.9116
Hunter-Lab	69.5188, -7.9566, -28.2765

Details

The XYZ color **44.2823, 48.3287, 90.2135** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **58.2089, 55.5692, 30.5813**, and the grayscale version is **42.9076, 45.1422, 49.1598**.

A 20% lighter version of the original color is **72.7440, 84.3380, 107.0526**, and **20.8445, 23.0138, 49.2424** is the 20% darker color. If you saturate the color by 10%, you get **38.4226, 41.7276, 89.2491**, and if you desaturate by 10%, it is **51.2226, 55.7854, 91.2879**.

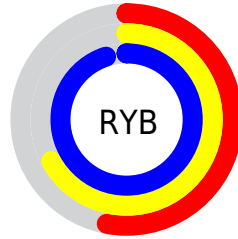
Distribution



Red (53%)

Green (75%)

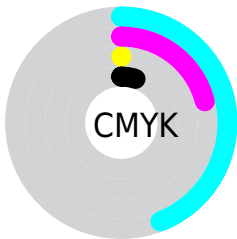
Blue (95%)



Red (53%)

Yellow (67%)

Blue (95%)

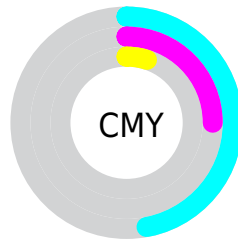


Cyan (44%)

Magenta (21%)

Yellow (0%)

Black (5%)



Cyan (47%)

Magenta (25%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 44.2823, 48.3287, 90.2135 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 44.2823, 48.3287, 90.2135 by changing the saturation by 10% instead.

■ 44.2823, 48.3287,
90.2135

■ 44.2823, 48.3287,
90.2135

354.6918,
380.0935, 549.3131

■ 31.0914, 34.0873,
67.5830

■ 80.8861, 87.6936,
149.5730

■ 20.8206, 22.9606,
49.0940

■ 105.0296,
113.5859, 187.1392

■ 13.1046, 14.5645,
34.3279

■ 133.5548,
144.1305, 230.5209

■ 7.5781, 8.5143,
22.8662

166.8269,
179.7120, 280.1369

■ 3.8757, 4.4258,
14.2904

205.2113,
220.7146, 336.4055

■ 1.6321, 1.9145,
8.1819

249.0733,

■ 0.4132, 0.5570,

267.5228, 399.7454

4.1221

298.7784,
320.5210, 470.5751

■ 0.0000, 0.0000,
1.6926

■ 0.0000, 0.0000,
0.3556

■ 44.2823, 48.3287,
90.2135

■ 44.2823, 48.3287,
90.2135

■ 38.4226, 41.7276,
89.2491

■ 51.2226, 55.7854,
91.2879

■ 33.5740, 35.9366,
88.3869

■ 59.2975, 64.1293,
92.4728

■ 29.6660, 30.9131,
87.6232

■ 68.5629, 73.3967,
93.7733

■ 26.6153, 26.6069,
86.9528

■ 79.0694, 83.6197,
95.1927

■ 24.3213, 22.9583,
86.3695

■ 90.6784, 94.7331,
96.7260

■ 23.2171, 21.0305,
86.0556

■ 92.8773, 99.1309,
97.4590

Harmonies

Analogous

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



39.3983, 48.3287, 81.1411



44.2823, 48.3287, 90.2135



50.0271, 48.3287, 87.7052

Triad

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



44.2823, 48.3287, 90.2135



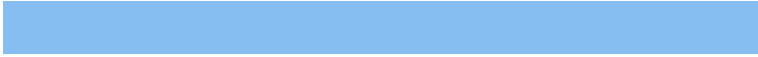
56.9466, 48.3287, 42.0357



37.8957, 48.3287, 35.2885

Complementary

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



44.2823, 48.3287, 90.2135



58.2089, 55.5692, 30.5813

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.



42.0723, 48.3287, 28.4192



44.2823, 48.3287, 90.2135



53.1574, 48.3287, 31.7164

Square

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



44.2823, 48.3287, 90.2135



57.6618, 48.3287, 57.5597



47.6283, 48.3287, 27.2630



35.9167, 48.3287, 47.9746

Rectangle

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



44.2823, 48.3287, 90.2135



53.5580, 48.3287, 79.9839



47.6283, 48.3287, 27.2630



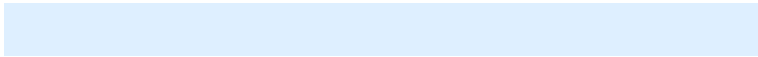
39.0720, 48.3287, 32.3421

Sweetspot

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



44.2839, 48.3305, 90.2147



79.0096, 84.4886, 106.7514



50.1491, 71.5429, 56.7720



16.3803, 17.5602, 22.7761



0.0000, 0.0000, 0.0000



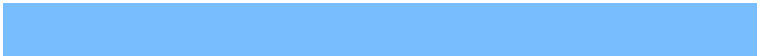
20.3446, 21.4041, 23.3091

Same Dimension

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



44.2839, 48.3305, 90.2147



44.1831, 48.0187, 101.5476



35.0356, 29.8339, 87.1319



15.5758, 16.5856, 20.1020



12.7260, 11.6762, 46.7109



1.1583, 1.1706, 3.9191

Inverse Universe

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



54.2352, 39.7480, 53.5307



57.2300, 38.3735, 53.0917



71.0693, 81.2900, 34.8681



16.1153, 15.8958, 18.1634



21.7491, 10.9721, 11.8612



1.8596, 0.9329, 1.2515

Previews

White Background



This preview shows how the XYZ color 44.2823, 48.3287, 90.2135 looks on a white background.

Color Contrast Check

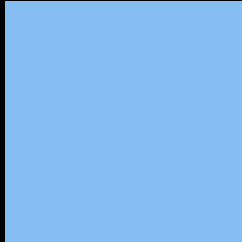
Large Text (above 18pt) WCAG AA × Fail

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 44.2823, 48.3287, 90.2135 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

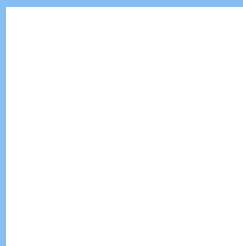
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 44.2823, 48.3287, 90.2135

Background



This preview shows how black text looks on a background with the XYZ color 44.2823, 48.3287, 90.2135.



This preview shows how white text looks on a background with the XYZ color 44.2823, 48.3287,

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

44.2823, 48.3287, 90.2135

Protanopia

48.3009, 48.0001, 85.3165

Deuteranopia

49.2791, 48.0649, 91.4742



Tritanopia

39.8772, 48.1690, 68.8238

Trichromacy



Original Color

44.2823, 48.3287, 90.2135

Protanomaly

46.5397, 47.9804, 86.9290

Deuteranomaly

47.0721, 47.8599, 90.7613

Tritanomaly

41.3080, 48.0810, 76.2106

Monochromacy



Original Color

44.2823, 48.3287, 90.2135

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

42.6984, 45.9178, 62.4897

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.2823, 48.3287, 90.2135 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(135, 190, 241)` looks like.

```
.text, #text, p{  
    color:rgb(135, 190, 241)  
}
```

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(135, 190, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 190, 241) }
```

Border

The CSS property to change the border of an element to XYZ 44.2823, 48.3287, 90.2135 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(135, 190, 241) }
```


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

```
.border{ border-color:rgb(135, 190, 241) }
```

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

Here you see how a box with a 4 pixel rgb(135, 190, 241) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 190, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 190, 241);  
box-shadow:4px 4px 4px 4px rgb(135, 190,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 44.2823, 48.3287, 90.2135 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 190, 241) }
```

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

```
.background{ background-color: rgb(135,  
190, 241) }
```

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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