

Converting Colors

XYZ(43.4562, 47.0851, 89.9997)

Have a look what the booklet for
XYZ(43.4562, 47.0851, 89.9997)
contains.

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Color

**XYZ(43.3204, 46.8781,
89.9842)**

Conversions

Conversions Part 1

Format	Color
Hex	85BBF1
RGB	133, 187, 241
RGB Percent	52%, 73%, 95%
CMY	0.4784, 0.2667, 0.0549
CMYK	0.45, 0.22, 0.00, 0.05
HSL	210°, 79%, 73%
HSV	210°, 45%, 95%
XYZ	43.3204, 46.8781, 89.9842
YIQ	177.0100, -49.5180, 5.3460

Conversions

Conversions Part 2

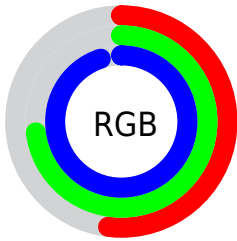
Format	Color
R _Y B	133, 169, 241
Decimal	8764401
CIE Lab	74.11, -3.62, -32.32
CIE LCh	74, 32.524, 263.601
Yxy	46.8781, 0.2404, 0.2602
Android (android.graphics.Color)	4286954481 (0xFF85BBF1)
YUV	177.0100, 31.5471, -38.5968
Hunter-Lab	68.4676, -6.8788, -29.9952

Details

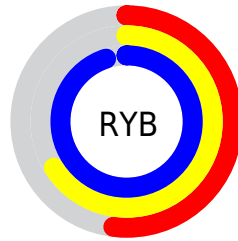
The XYZ color **43.3204, 46.8781, 89.9842** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **58.2809, 55.9364, 29.9172**, and the grayscale version is **41.6548, 43.8241, 47.7245**.

A 20% lighter version of the original color is **71.3358, 82.2683, 106.7273**, and **20.2625, 22.0895, 49.0947** is the 20% darker color. If you saturate the color by 10%, you get **37.4932, 40.2378, 89.0105**, and if you desaturate by 10%, it is **50.2381, 54.4009, 91.0725**.

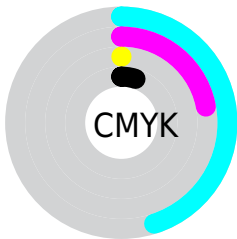
Distribution



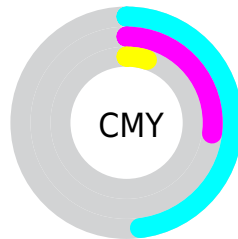
- Red (52%)
- Green (73%)
- Blue (95%)



- Red (52%)
- Yellow (66%)
- Blue (95%)



- Cyan (45%)
- Magenta (22%)
- Yellow (0%)
- Black (5%)



- Cyan (48%)
- Magenta (27%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 43.3204, 46.8781, 89.9842 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 43.3204, 46.8781, 89.9842 by changing the saturation by 10% instead.

■ 43.3204, 46.8781,
89.9842

■ 43.3204, 46.8781,
89.9842

350.8270,
374.3277, 548.5482

■ 30.3322, 32.9393,
67.3939

■ 79.4468, 85.5316,
149.2518

■ 20.2402, 22.0799,
48.9412

■ 103.3158,
111.0152, 186.7661

■ 12.6790, 13.9157,
34.2076

■ 131.5423,
141.1157, 230.0922

■ 7.2834, 8.0620,
22.7744

164.4919,
176.2177, 279.6487

■ 3.6878, 4.1347,
14.2233

202.5298,
216.7055, 335.8539

■ 1.5271, 1.7492,
8.1356

246.0213,

■ 0.3442, 0.4552,

262.9635, 399.1266

4.0928

295.3320,
315.3761, 469.8852

■ 0.0000, 0.0000,
1.6764

■ 0.0000, 0.0000,
0.3445

■ 43.3204, 46.8781,
89.9842

■ 43.3204, 46.8781,
89.9842

■ 37.4932, 40.2378,
89.0105

■ 50.2381, 54.4009,
91.0725

■ 32.6859, 34.4331,
88.1434

■ 58.3014, 62.8393,
92.2763

■ 28.8266, 29.4196,
87.3791

■ 67.5671, 72.2308,
93.6007

■ 25.8303, 25.1452,
86.7120

■ 78.0865, 82.6088,
95.0494

■ 23.5936, 21.5478,
86.1355

■ 89.9079, 94.0051,
96.6261

■ 22.6542, 19.9047,
85.8679

■ 92.8773, 99.1309,
97.4589

Harmonies

Analogous

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



38.2390, 46.8781, 81.4352



43.3204, 46.8781, 89.9842



49.1893, 46.8781, 86.4111

Triad

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



43.3204, 46.8781, 89.9842



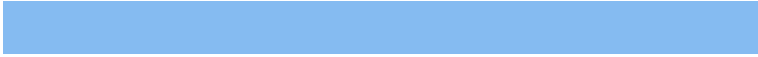
55.6199, 46.8781, 39.2541



36.1407, 46.8781, 34.2857

Complementary

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



43.3204, 46.8781, 89.9842



58.2809, 55.9364, 29.9172

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.



40.2236, 46.8781, 26.9428



43.3204, 46.8781, 89.9842



51.5335, 46.8781, 29.3442

Square

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



43.3204, 46.8781, 89.9842



56.6305, 46.8781, 54.6988



45.8153, 46.8781, 25.3543



34.3331, 46.8781, 47.5524

Rectangle

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



43.3204, 46.8781, 89.9842



52.7294, 46.8781, 77.9520



45.8153, 46.8781, 25.3543



37.2745, 46.8781, 31.1704

Sweetspot

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



43.3220, 46.8799, 89.9853



78.8267, 84.1228, 106.6905



49.9077, 71.4095, 57.1644



16.3352, 17.4700, 22.7610



0.0000, 0.0000, 0.0000



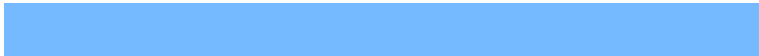
20.3446, 21.4041, 23.3091

Same Dimension

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



43.3220, 46.8799, 89.9853



43.0171, 46.2038, 101.2587



34.1878, 28.6114, 86.9406



15.5503, 16.5346, 20.0935



12.4197, 11.0637, 46.6088



1.1327, 1.1194, 3.9106

Inverse Universe

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



53.6342, 39.0654, 51.7290



56.5152, 37.6042, 50.8178



71.4354, 82.2454, 34.3020



16.1024, 15.8907, 18.0956



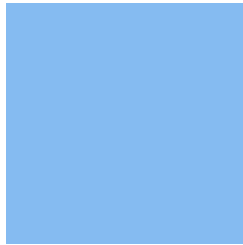
21.5945, 10.9102, 11.0472



1.8467, 0.9277, 1.1835

Previews

White Background



This preview shows how the XYZ color 43.3204, 46.8781, 89.9842 looks on a white background.

Color Contrast Check

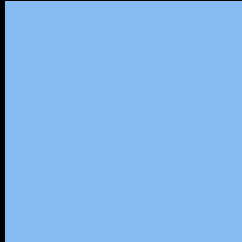
Large Text (above 18pt) WCAG AA × Fail

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 43.3204, 46.8781, 89.9842 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

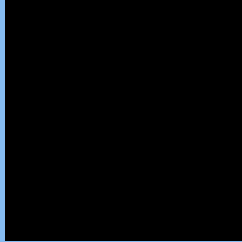
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

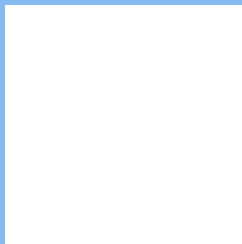
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 43.3204, 46.8781, 89.9842

Background



This preview shows how black text looks on a background with the XYZ color 43.3204, 46.8781, 89.9842.



This preview shows how white text looks on a background with the XYZ color 43.3204, 46.8781,

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

43.3204, 46.8781, 89.9842

Protanopia

47.0518, 46.4538, 85.0839

Deuteranopia

47.8148, 46.7106, 91.2900



Tritanopia

38.7673, 46.9791, 66.6991

Trichromacy



Original Color

43.3204, 46.8781, 89.9842

Protanomaly

45.5316, 46.5389, 86.7039

Deuteranomaly

45.8918, 46.6390, 90.5879

Tritanomaly

40.3015, 46.9409, 74.6465

Monochromacy



Original Color

43.3204, 46.8781, 89.9842

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

41.6471, 44.7949, 61.0948

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.3204, 46.8781, 89.9842 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(133, 187, 241)` looks like.

```
.text, #text, p{  
    color:rgb(133, 187, 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(133, 187, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 187, 241) }
```

Border

The CSS property to change the border of an element to XYZ 43.3204, 46.8781, 89.9842 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(133, 187, 241) }
```


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

```
.border{ border-color:rgb(133, 187, 241) }
```

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

Here you see how a box with a 4 pixel rgb(133, 187, 241) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 187, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 187, 241);  
box-shadow:4px 4px 4px 4px rgb(133, 187,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 43.3204, 46.8781, 89.9842 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 187, 241) }
```

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

```
.background{ background-color: rgb(133,  
187, 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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