

Converting Colors

XYZ(44.8314, 48.5680, 87.1325)

Have a look what the booklet for
XYZ(44.8314, 48.5680, 87.1325)
contains.

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Color

**XYZ(44.8548, 48.6921,
87.1552)**

Conversions

Conversions Part 1

Format	Color
Hex	8EBEED
RGB	142, 190, 237
RGB Percent	56%, 75%, 93%
CMY	0.4431, 0.2549, 0.0706
CMYK	0.40, 0.20, 0.00, 0.07
HSL	210°, 73%, 74%
HSV	210°, 40%, 93%
XYZ	44.8548, 48.6921, 87.1552
YIQ	181.0060, -43.6950, 4.4410

Conversions

Conversions Part 2

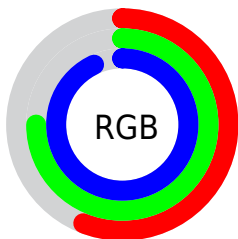
Format	Color
R _Y B	142, 174, 237
Decimal	9354989
CIE Lab	75.26, -4.08, -28.35
CIE LCh	75, 28.647, 261.810
Yxy	48.6921, 0.2482, 0.2695
Android (android.graphics.Color)	4287545069 (0xFF8EBEED)
YUV	181.0060, 27.6050, -34.2083
Hunter-Lab	69.7797, -7.3737, -25.2077

Details

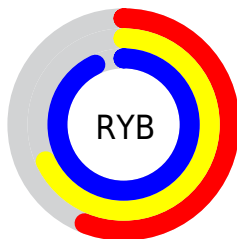
The XYZ color **44.8548, 48.6921, 87.1552** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **58.0062, 56.3538, 33.4128**, and the grayscale version is **43.7980, 46.0789, 50.1799**.

A 20% lighter version of the original color is **74.5590, 85.2736, 107.1375**, and **21.2166, 23.2538, 47.0862** is the 20% darker color. If you saturate the color by 10%, you get **38.7746, 41.9390, 86.1730**, and if you desaturate by 10%, it is **52.0070, 56.3033, 88.2482**.

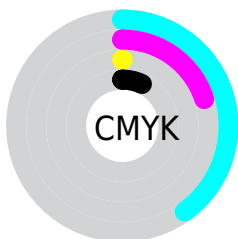
Distribution



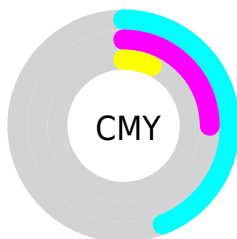
- Red (56%)
- Green (75%)
- Blue (93%)



- Red (56%)
- Yellow (68%)
- Blue (93%)



- Cyan (40%)
- Magenta (20%)
- Yellow (0%)
- Black (7%)



- Cyan (44%)
- Magenta (25%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 44.8548, 48.6921, 87.1552 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 44.8548, 48.6921, 87.1552 by changing the saturation by 10% instead.

■ 44.8548, 48.6921,
87.1552

■ 44.8548, 48.6921,
87.1552

356.9788,
381.5289, 539.0622

■ 31.5439, 34.3753,
65.0633

■ 81.7409, 88.2340,
145.2812

■ 21.1672, 23.1821,
47.0607

■ 106.0468,
114.2279, 182.1524

■ 13.3594, 14.7280,
32.7290

134.7483,
144.8829, 224.7871

■ 7.7552, 8.6287,
21.6495

168.2109,
180.5834, 273.6039

■ 3.9892, 4.4998,
13.4037

206.7999,
221.7139, 329.0212

■ 1.6960, 1.9569,
7.5732

250.8806,

■ 0.4538, 0.5822,

268.6587, 391.4577

3.7392

300.8185,
321.8023, 461.3318

■ 0.0000, 0.0000,
1.4834

■ 0.0000, 0.0000,
0.2055

■ 44.8548, 48.6921,
87.1552

■ 44.8548, 48.6921,
87.1552

■ 38.7746, 41.9390,
86.1730

■ 52.0070, 56.3033,
88.2482

■ 33.7014, 36.0002,
85.2941

■ 60.2814, 64.8021,
89.4525

■ 29.5704, 30.8359,
84.5151

■ 69.7306, 74.2233,
90.7730

■ 26.3058, 26.3995,
83.8308

■ 80.4023, 84.5980,
92.2131

■ 23.8183, 22.6369,
83.2357

■ 90.2873, 94.8967,
93.6799

■ 21.9727, 19.4874,
82.7250

■ 92.2862, 98.8945,
94.3462

Harmonies

Analogous

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



40.3061, 48.6921, 79.1892



44.8548, 48.6921, 87.1552



50.1395, 48.6921, 84.7030

Triad

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



44.8548, 48.6921, 87.1552



56.3169, 48.6921, 42.9703



38.7796, 48.6921, 37.0533

Complementary

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



44.8548, 48.6921, 87.1552



58.0062, 56.3538, 33.4128

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.



42.6246, 48.6921, 30.4208



44.8548, 48.6921, 87.1552



52.8176, 48.6921, 33.3592

Square

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



44.8548, 48.6921, 87.1552



57.0272, 48.6921, 57.2508



47.7359, 48.6921, 29.2100



36.9764, 48.6921, 48.9981

Rectangle

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



44.8548, 48.6921, 87.1552



53.3536, 48.6921, 77.6630



47.7359, 48.6921, 29.2100



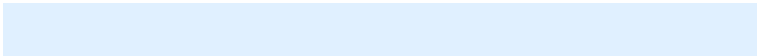
39.8616, 48.6921, 34.2299

Sweetspot

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



44.8564, 48.6940, 87.1563



80.0339, 85.3698, 106.8675



50.5089, 69.9475, 58.3704



16.8079, 17.9530, 22.8294



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.



44.8564, 48.6940, 87.1563



47.0509, 50.9561, 101.9634



36.3531, 31.6873, 84.3219



14.8602, 15.8069, 19.1901



12.1278, 10.9027, 45.2082



1.0486, 1.0486, 3.5820

Inverse Universe

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



53.8936, 41.0697, 53.8038



59.3606, 41.8408, 56.2489



69.6363, 79.6141, 37.2895



15.3830, 15.1811, 17.3022



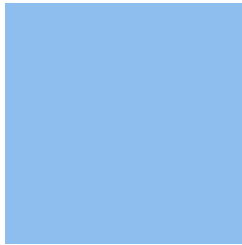
20.9769, 10.5934, 10.9454



1.6958, 0.8513, 1.1153

Previews

White Background



This preview shows how the XYZ color 44.8548, 48.6921, 87.1552 looks on a white background.

Color Contrast Check

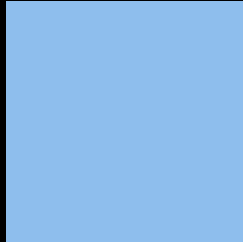
Large Text (above 18pt) WCAG AA × Fail

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 44.8548, 48.6921, 87.1552 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

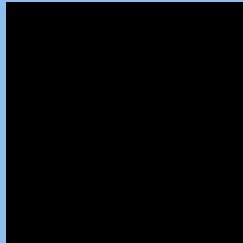
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

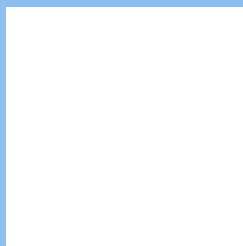
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 44.8548, 48.6921, 87.1552

Background



This preview shows how black text looks on a background with the XYZ color 44.8548, 48.6921, 87.1552.



This preview shows how white text looks on a background with the XYZ color 44.8548, 48.6921,

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

44.8548, 48.6921, 87.1552

Protanopia

48.7326, 48.5774, 83.1518

Deuteranopia

49.7635, 48.6866, 88.4360



Tritanopia

41.1396, 48.8343, 68.2304

Trichromacy



Original Color

44.8548, 48.6921, 87.1552

Protanomaly

47.3105, 48.7397, 84.7561

Deuteranomaly

47.6819, 48.5524, 87.7474

Tritanomaly

42.4695, 48.7105, 74.8738

Monochromacy



Original Color

44.8548, 48.6921, 87.1552

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

43.6195, 46.7135, 61.9760

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.8548, 48.6921, 87.1552 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(142, 190, 237)` looks like.

```
.text, #text, p{  
    color:rgb(142, 190, 237)  
}
```

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(142, 190, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 190, 237) }
```

Border

The CSS property to change the border of an element to XYZ 44.8548, 48.6921, 87.1552 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(142, 190, 237) }
```


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

```
.border{ border-color:rgb(142, 190, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 190, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 190, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 190, 237);  
box-shadow:4px 4px 4px 4px rgb(142, 190,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 44.8548, 48.6921, 87.1552 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 190, 237) }
```

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

```
.background{ background-color: rgb(142,  
190, 237) }
```

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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