

Converting Colors

XYZ(44.6730, 47.9244, 87.7582)

Have a look what the booklet for
XYZ(44.6730, 47.9244, 87.7582)
contains.

XYZ(44.7435, 47.9791, 87.7916)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(44.7435, 47.9791,
87.7916)**

Conversions

Conversions Part 1

Format	Color
Hex	8FBCEE
RGB	143, 188, 238
RGB Percent	56%, 74%, 93%
CMY	0.4392, 0.2627, 0.0667
CMYK	0.40, 0.21, 0.00, 0.07
HSL	212°, 74%, 75%
HSV	212°, 40%, 93%
XYZ	44.7435, 47.9791, 87.7916
YIQ	180.2450, -42.8700, 6.0100

Conversions

Conversions Part 2

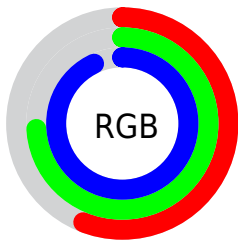
Format	Color
R _Y B	143, 174, 238
Decimal	9420014
CIE _{Lab}	74.81, -2.47, -29.58
CIE _{LCh}	75, 29.680, 265.219
Y _{xy}	47.9791, 0.2479, 0.2658
Android (android.graphics.Color)	4287610094 (0xFF8FBCEE)
YUV	180.2450, 28.4732, -32.6639
Hunter-Lab	69.2669, -5.9138, -26.6596

Details

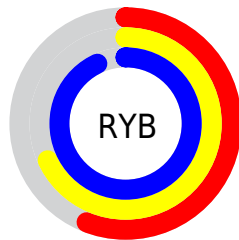
The XYZ color **44.7435, 47.9791, 87.7916** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **59.2889, 58.3014, 34.1166**, and the grayscale version is **43.3836, 45.6429, 49.7051**.

A 20% lighter version of the original color is **74.2201, 84.2007, 106.9483**, and **21.1320, 22.7801, 47.5392** is the 20% darker color. If you saturate the color by 10%, you get **38.4915, 40.9554, 86.7663**, and if you desaturate by 10%, it is **52.1049, 55.9215, 88.9375**.

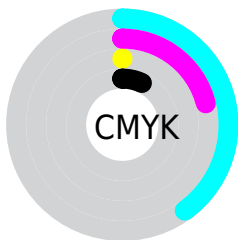
Distribution



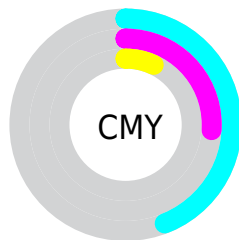
- Red (56%)
- Green (74%)
- Blue (93%)



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



- Cyan (40%)
- Magenta (21%)
- Yellow (0%)
- Black (7%)



- Cyan (44%)
- Magenta (26%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 44.7435, 47.9791, 87.7916 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 44.7435, 47.9791, 87.7916 by changing the saturation by 10% instead.

■ 44.7435, 47.9791,
87.7916

■ 44.7435, 47.9791,
87.7916

356.5349,
378.7093, 541.2041

■ 31.4559, 33.8103,
65.5871

■ 81.5748, 87.1733,
146.1756

■ 21.0997, 22.7479,
47.4830

■ 105.8492,
112.9675, 183.1922

■ 13.3098, 14.4075,
33.0605

134.5165,
143.4056, 225.9832

■ 7.7207, 8.4046,
21.9013

167.9422,
178.8721, 274.9672

■ 3.9670, 4.3549,
13.5868

206.4915,
219.7513, 330.5628

■ 1.6835, 1.8740,
7.6984

250.5298,

■ 0.4459, 0.5327,

266.4277, 393.1885

3.8176

300.4225,
319.2855, 463.2627

■ 0.0000, 0.0000,
1.5258

■ 0.0000, 0.0000,
0.2370

■ 44.7435, 47.9791,
87.7916

■ 44.7435, 47.9791,
87.7916

■ 38.4915, 40.9554,
86.7663

■ 52.1049, 55.9215,
88.9375

■ 33.2826, 34.8046,
85.8536

■ 60.6275, 64.8148,
90.2049

■ 29.0500, 29.4841,
85.0497

■ 70.3653, 74.6958,
91.5989

■ 25.7164, 24.9445,
84.3492

■ 81.3674, 85.5978,
93.1233

■ 23.1904, 21.1290,
83.7458

■ 91.0559, 96.1993,
94.6590

■ 21.3233, 17.9503,
83.2307

■ 92.4328, 98.9531,
95.1179

■ 21.3088, 17.9252,
83.2266

Harmonies

Analogous

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



39.9374, 47.9791, 80.6386



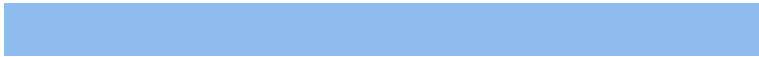
44.7435, 47.9791, 87.7916



50.1670, 47.9791, 83.9914

Triad

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



44.7435, 47.9791, 87.7916



55.6460, 47.9791, 40.5776



37.6021, 47.9791, 37.0603

Complementary

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



44.7435, 47.9791, 87.7916



59.2889, 58.3014, 34.1166

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.



41.3240, 47.9791, 29.7095



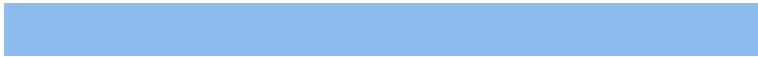
44.7435, 47.9791, 87.7916



51.7799, 47.9791, 31.4419

Square

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



44.7435, 47.9791, 87.7916



56.7409, 47.9791, 54.7567



46.4728, 47.9791, 27.8759



36.0267, 47.9791, 49.8037

Rectangle

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



44.7435, 47.9791, 87.7916



53.3693, 47.9791, 76.0870



46.4728, 47.9791, 27.8759



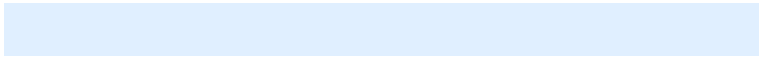
38.6287, 47.9791, 33.9840

Sweetspot

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



44.7451, 47.9809, 87.7927



79.7503, 84.8028, 106.7730



51.4272, 70.7993, 60.8742



16.7412, 17.8197, 22.8071



0.0000, 0.0000, 0.0000



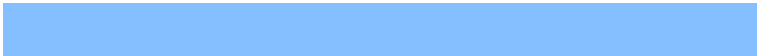
20.3446, 21.4041, 23.3091

Same Dimension

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



44.7451, 47.9809, 87.7927



46.1991, 49.2526, 101.6795



36.8603, 31.8016, 85.0854



15.5148, 16.4637, 20.0817



12.0156, 10.2554, 46.4741



1.0985, 1.0510, 3.8992

Inverse Universe

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



54.1608, 41.4545, 52.7257



58.9306, 41.6688, 53.9849



70.2641, 81.0375, 37.9267



16.0845, 15.8835, 18.0014



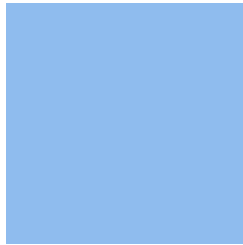
21.3905, 10.8286, 9.9730



1.8294, 0.9208, 1.0926

Previews

White Background



This preview shows how the XYZ color 44.7435, 47.9791, 87.7916 looks on a white background.

Color Contrast Check

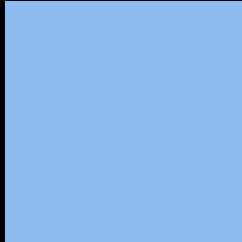
Large Text (above 18pt) WCAG AA × Fail

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 44.7435, 47.9791, 87.7916 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

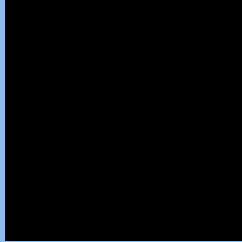
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

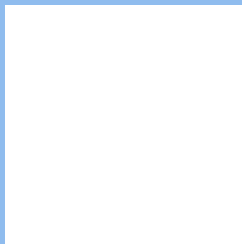
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 44.7435, 47.9791, 87.7916

Background



This preview shows how black text looks on a background with the XYZ color 44.7435, 47.9791, 87.7916.



This preview shows how white text looks on a background with the XYZ color 44.7435, 47.9791,

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

44.7435, 47.9791, 87.7916

Protanopia

48.0135, 47.8851, 83.8030

Deuteranopia

48.8440, 47.5917, 89.0498



Tritanopia

40.5703, 47.8943, 67.4278

Trichromacy



Original Color

44.7435, 47.9791, 87.7916

Protanomaly

46.6331, 47.7527, 85.3566

Deuteranomaly

47.2114, 47.6760, 88.3754

Tritanomaly

42.0303, 47.8322, 74.7274

Monochromacy



Original Color

44.7435, 47.9791, 87.7916

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

43.4125, 46.2995, 61.9070

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.7435, 47.9791, 87.7916 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(143, 188, 238)` looks like.

```
.text, #text, p{  
    color:rgb(143, 188, 238)  
}
```

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(143, 188, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 188, 238) }
```

Border

The CSS property to change the border of an element to XYZ 44.7435, 47.9791, 87.7916 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(143, 188, 238) }
```


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

```
.border{ border-color:rgb(143, 188, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 188, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 188, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 188, 238);  
box-shadow:4px 4px 4px 4px rgb(143, 188,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 44.7435, 47.9791, 87.7916 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 188, 238) }
```

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

```
.background{ background-color: rgb(143,  
188, 238) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor