

Converting Colors

XYZ(47.7138, 52.0124, 88.4954)

Have a look what the booklet for
XYZ(47.7138, 52.0124, 88.4954)
contains.

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Color

**XYZ(47.7502, 52.1369,
88.4356)**

Conversions

Conversions Part 1

Format	Color
Hex	96C4EE
RGB	150, 196, 238
RGB Percent	59%, 77%, 93%
CMY	0.4117, 0.2314, 0.0667
CMYK	0.37, 0.18, 0.00, 0.07
HSL	209°, 72%, 76%
HSV	209°, 37%, 93%
XYZ	47.7502, 52.1369, 88.4356
YIQ	187.0340, -40.8980, 3.3100

Conversions

Conversions Part 2

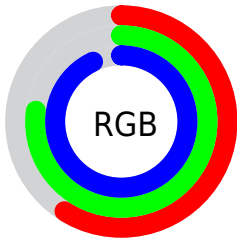
Format	Color
R _Y B	150, 180, 238
Decimal	9880814
CIE Lab	77.36, -4.94, -25.63
CIE LCh	77, 26.106, 259.081
Yxy	52.1369, 0.2536, 0.2768
Android (android.graphics.Color)	4288070894 (0xFF96C4EE)
YUV	187.0340, 25.1262, -32.4788
Hunter-Lab	72.2059, -8.3171, -22.0725

Details

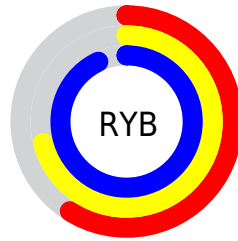
The XYZ color **47.7502, 52.1369, 88.4356** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **59.6156, 58.0794, 36.9242**, and the grayscale version is **47.1339, 49.5885, 54.0019**.

A 20% lighter version of the original color is **78.6289, 90.5924, 107.9496**, and **22.8358, 25.1563, 47.9080** is the 20% darker color. If you saturate the color by 10%, you get **41.3417, 45.1736, 87.4302**, and if you desaturate by 10%, it is **55.2454, 59.9507, 89.5497**.

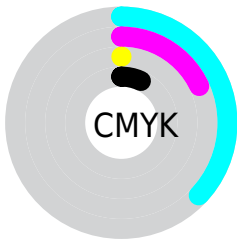
Distribution



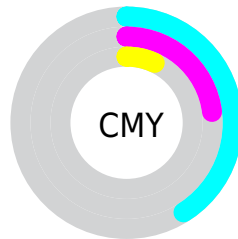
- Red (59%)
- Green (77%)
- Blue (93%)



- Red (59%)
- Yellow (71%)
- Blue (93%)



- Cyan (37%)
- Magenta (18%)
- Yellow (0%)
- Black (7%)



- Cyan (41%)
- Magenta (23%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.7502, 52.1369, 88.4356 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 47.7502, 52.1369, 88.4356 by changing the saturation by 10% instead.

■ 47.7502, 52.1369,
88.4356

■ 47.7502, 52.1369,
88.4356

368.4002,
394.9649, 543.3669

■ 33.8395, 37.1142,
66.1175

■ 86.0443, 93.3331,
147.0799

■ 22.9327, 25.2959,
47.9107

■ 111.1585,
120.2754, 184.2432

■ 14.6642, 16.2977,
33.3967

140.7378,
151.9597, 227.1920

■ 8.6688, 9.7350,
22.1569

175.1478,
188.7704, 276.3448

■ 4.5812, 5.2236,
13.7728

214.7536,
231.0919, 332.1201

■ 2.0359, 2.3791,
7.8259

259.9207,

■ 0.6540, 0.8151,

279.3085, 394.9366

3.8976

311.0145,
333.8047, 465.2126

■ 0.0000, 0.0000,
1.5693

■ 0.0000, 0.0000,
0.2688

■ 47.7502, 52.1369,
88.4356

■ 47.7502, 52.1369,
88.4356

■ 41.3417, 45.1736,
87.4302

■ 55.2454, 59.9507,
89.5497

■ 35.9565, 39.0184,
86.5260

■ 63.8761, 68.6428,
90.7726

■ 31.5318, 33.6333,
85.7198

■ 73.6939, 78.2470,
92.1089

■ 27.9948, 28.9742,
85.0069

■ 84.7457, 88.7931,
93.5620

■ 25.2609, 24.9903,
84.3820

■ 91.7343, 97.5561,
94.8851

■ 23.2226, 21.6189,
83.8387

■ 92.4328, 98.9531,
95.1179

■ 22.6922, 20.6920,
83.6877

Harmonies

Analogous

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



43.5025, 52.1369, 80.3008



47.7502, 52.1369, 88.4356



52.7746, 52.1369, 87.0752

Triad

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



47.7502, 52.1369, 88.4356



59.2388, 52.1369, 48.2093



42.6186, 52.1369, 40.5314

Complementary

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



47.7502, 52.1369, 88.4356



59.6156, 58.0794, 36.9242

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.



46.4682, 52.1369, 34.4624



47.7502, 52.1369, 88.4356



56.1434, 52.1369, 38.3509

Square

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



47.7502, 52.1369, 88.4356



59.6399, 52.1369, 62.1621



51.4038, 52.1369, 33.7380



40.6755, 52.1369, 51.6957

Rectangle

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



47.7502, 52.1369, 88.4356



55.8864, 52.1369, 81.0203



51.4038, 52.1369, 33.7380



43.7200, 52.1369, 37.9143

Sweetspot

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



47.7519, 52.1389, 88.4368



81.3498, 86.8168, 107.0775



52.5649, 71.3988, 60.3411



17.0767, 18.2544, 22.8734



0.0000, 0.0000, 0.0000



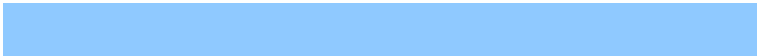
20.3446, 21.4041, 23.3091

Same Dimension

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



47.7519, 52.1389, 88.4368



50.3351, 55.0258, 102.5758



39.3921, 35.4194, 85.6502



15.5810, 16.5961, 20.1038



12.7904, 11.8051, 46.7324



1.1636, 1.1813, 3.9209

Inverse Universe

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



56.1314, 43.9770, 57.7566



61.6283, 45.0832, 60.9908



70.4934, 79.8350, 40.5501



16.1179, 15.8969, 18.1773



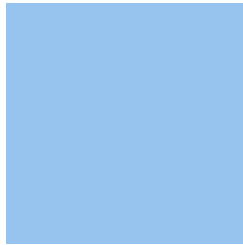
21.7816, 10.9851, 12.0326



1.8623, 0.9340, 1.2657

Previews

White Background



This preview shows how the XYZ color 47.7502, 52.1369, 88.4356 looks on a white background.

Color Contrast Check

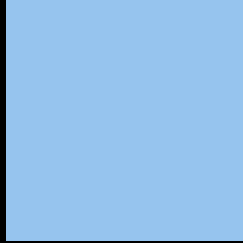
Large Text (above 18pt) WCAG AA × Fail

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 47.7502, 52.1369, 88.4356 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

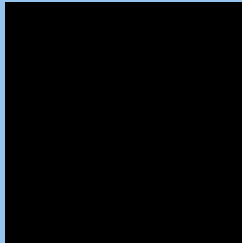
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

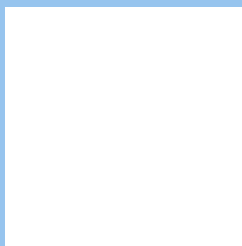
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.7502, 52.1369, 88.4356

Background



This preview shows how black text looks on a background with the XYZ color 47.7502, 52.1369, 88.4356.



This preview shows how white text looks on a background with the XYZ color 47.7502, 52.1369,

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

47.7502, 52.1369, 88.4356

Protanopia

51.7280, 51.9817, 84.3979

Deuteranopia

53.0269, 51.8992, 89.6608



Tritanopia

44.7260, 52.2862, 72.7007

Trichromacy



Original Color

47.7502, 52.1369, 88.4356

Protanomaly

50.2072, 52.1324, 86.0136

Deuteranomaly

50.7880, 51.7168, 88.9669

Tritanomaly

45.9106, 52.4317, 78.2216

Monochromacy



Original Color

47.7502, 52.1369, 88.4356

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

47.0096, 50.2818, 65.6202

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.7502, 52.1369, 88.4356 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(150, 196, 238)` looks like.

```
.text, #text, p{  
    color:rgb(150, 196, 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(150, 196, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 196, 238) }
```

Border

The CSS property to change the border of an element to XYZ 47.7502, 52.1369, 88.4356 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(150, 196, 238) }
```


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

```
.border{ border-color:rgb(150, 196, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 196, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 196, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 196, 238);  
box-shadow:4px 4px 4px 4px rgb(150, 196,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 47.7502, 52.1369, 88.4356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 196, 238) }
```

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

```
.background{ background-color: rgb(150,  
196, 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](#).

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