

Converting Colors

XYZ(47.1256, 51.0546, 89.5754)

Have a look what the booklet for
XYZ(47.1256, 51.0546, 89.5754)
contains.

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Color

**XYZ(47.2327, 51.1707,
89.8256)**

Conversions

Conversions Part 1

Format	Color
Hex	94C2F0
RGB	148, 194, 240
RGB Percent	58%, 76%, 94%
CMY	0.4196, 0.2392, 0.0588
CMYK	0.38, 0.19, 0.00, 0.06
HSL	210°, 75%, 76%
HSV	210°, 38%, 94%
XYZ	47.2327, 51.1707, 89.8256
YIQ	185.4900, -42.1820, 4.5540

Conversions

Conversions Part 2

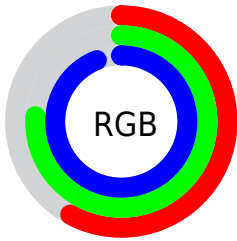
Format	Color
R _Y B	148, 179, 240
Decimal	9749232
CIE Lab	76.78, -3.88, -27.61
CIE LCh	77, 27.878, 261.990
Yxy	51.1707, 0.2509, 0.2719
Android (android.graphics.Color)	4287939312 (0xFF94C2F0)
YUV	185.4900, 26.8734, -32.8787
Hunter-Lab	71.5337, -7.3229, -24.3775

Details

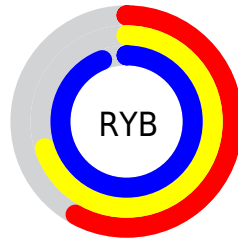
The XYZ color **47.2327, 51.1707, 89.8256** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **60.5735, 59.2482, 36.2622**, and the grayscale version is **46.2601, 48.6692, 53.0007**.

A 20% lighter version of the original color is **77.4124, 88.5704, 107.6235**, and **22.6908, 24.8376, 48.9456** is the 20% darker color. If you saturate the color by 10%, you get **40.7698, 44.0340, 88.7896**, and if you desaturate by 10%, it is **54.8146, 59.2066, 90.9780**.

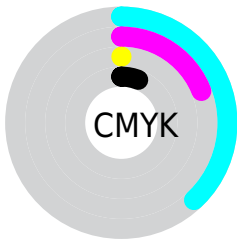
Distribution



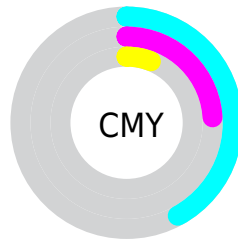
- Red (58%)
- Green (76%)
- Blue (94%)



- Red (58%)
- Yellow (70%)
- Blue (94%)



- Cyan (38%)
- Magenta (19%)
- Yellow (0%)
- Black (6%)



- Cyan (42%)
- Magenta (24%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.2327, 51.1707, 89.8256 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 47.2327, 51.1707, 89.8256 by changing the saturation by 10% instead.

■ 47.2327, 51.1707,
89.8256

■ 47.2327, 51.1707,
89.8256

366.3760,
391.2266, 548.0188

■ 33.4284, 36.3445,
67.2631

■ 85.2775, 91.9070,
149.0295

■ 22.6156, 24.7004,
48.8355

■ 110.2487,
118.5860, 186.5080

■ 14.4291, 15.8540,
34.1244

139.6728,
149.9846, 229.7956

■ 8.5034, 9.4209,
22.7110

173.9154,
186.4872, 279.3109

■ 4.4732, 5.0167,
14.1770

213.3416,
228.4784, 335.4722

■ 1.9732, 2.2571,
8.1037

258.3169,

■ 0.6188, 0.7508,

276.3424, 398.6983

4.0727

309.2066,
330.4637, 469.4077

■ 0.0000, 0.0000,
1.6653

■ 0.0000, 0.0000,
0.3368

■ 47.2327, 51.1707,
89.8256

■ 47.2327, 51.1707,
89.8256

■ 40.7698, 44.0340,
88.7896

■ 54.8146, 59.2066,
90.9780

■ 35.3597, 37.7517,
87.8622

■ 63.5666, 68.1721,
92.2472

■ 30.9366, 32.2829,
87.0397

■ 73.5426, 78.1030,
93.6383

■ 27.4242, 27.5804,
86.3172

■ 84.7912, 89.0312,
95.1548

■ 24.7330, 23.5895,
85.6887

■ 92.4110, 98.4367,
96.5686

■ 22.7385, 20.2372,
85.1467

■ 92.7284, 99.0713,
96.6744

■ 22.4451, 19.7248,
85.0633

Harmonies

Analogous

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



42.6379, 51.1707, 81.9631



47.2327, 51.1707, 89.8256



52.5451, 51.1707, 87.3260

Triad

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



47.2327, 51.1707, 89.8256



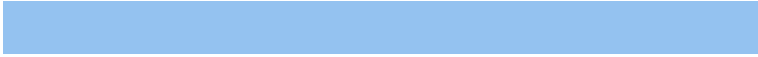
58.6901, 51.1707, 45.5050



41.0544, 51.1707, 39.6347

Complementary

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



47.2327, 51.1707, 89.8256



60.5735, 59.2482, 36.2622

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.



44.9262, 51.1707, 32.8357



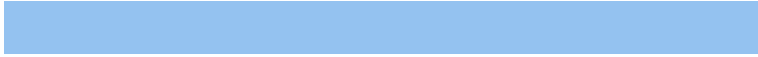
47.2327, 51.1707, 89.8256



55.1722, 51.1707, 35.7722

Square

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



47.2327, 51.1707, 89.8256



59.4194, 51.1707, 59.8744



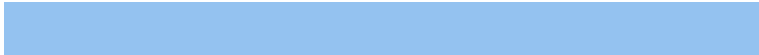
50.0673, 51.1707, 31.5625



39.2436, 51.1707, 51.7551

Rectangle

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



47.2327, 51.1707, 89.8256



55.7630, 51.1707, 80.2923



50.0673, 51.1707, 31.5625



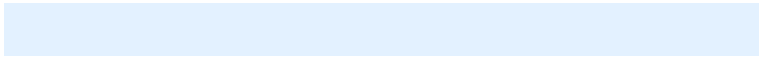
42.1441, 51.1707, 36.7489

Sweetspot

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



47.2344, 51.1727, 89.8268



81.1607, 86.4387, 107.0144



52.9405, 72.4438, 61.3351



17.0317, 18.1643, 22.8583



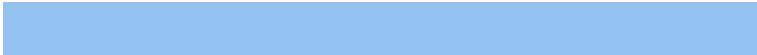
0.0000, 0.0000, 0.0000



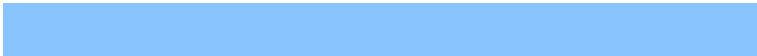
20.3446, 21.4041, 23.3091

Same Dimension

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



47.2344, 51.1727, 89.8268



48.3008, 52.2360, 102.1446



38.7745, 34.2530, 87.0069



15.5503, 16.5346, 20.0935



12.4198, 11.0638, 46.6088



1.1327, 1.1194, 3.9106

Inverse Universe

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



56.2641, 43.6018, 56.4914



60.2893, 43.3525, 57.6244



71.9922, 82.0856, 40.0684



16.1024, 15.8907, 18.0956



21.5946, 10.9103, 11.0474



1.8467, 0.9277, 1.1835

Previews

White Background



This preview shows how the XYZ color 47.2327, 51.1707, 89.8256 looks on a white background.

Color Contrast Check

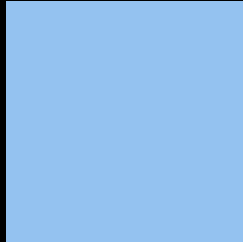
Large Text (above 18pt) WCAG AA × Fail

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 47.2327, 51.1707, 89.8256 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

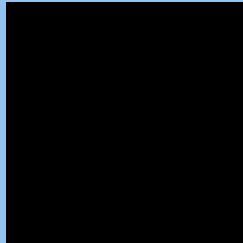
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

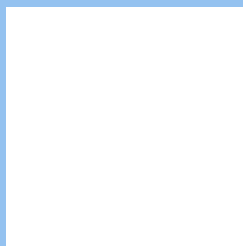
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.2327, 51.1707, 89.8256

Background



This preview shows how black text looks on a background with the XYZ color 47.2327, 51.1707, 89.8256.



This preview shows how white text looks on a background with the XYZ color 47.2327, 51.1707,

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

47.2327, 51.1707, 89.8256

Protanopia

50.8972, 50.8859, 85.7367

Deuteranopia

51.9664, 50.6924, 91.0501



Tritanopia

43.4870, 50.9940, 71.1691

Trichromacy



Original Color

47.2327, 51.1707, 89.8256

Protanomaly

49.4254, 51.0483, 87.3691

Deuteranomaly

50.0089, 50.6421, 90.3583

Tritanomaly

44.7871, 51.1895, 77.3321

Monochromacy



Original Color

47.2327, 51.1707, 89.8256

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

46.0159, 49.1449, 64.8182

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.2327, 51.1707, 89.8256 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(148, 194, 240)` looks like.

```
.text, #text, p{  
    color:rgb(148, 194, 240)  
}
```

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(148, 194, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 194, 240) }
```

Border

The CSS property to change the border of an element to XYZ 47.2327, 51.1707, 89.8256 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(148, 194, 240) }
```


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

```
.border{ border-color:rgb(148, 194, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 194, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 194, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 194, 240);  
box-shadow:4px 4px 4px 4px rgb(148, 194,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 47.2327, 51.1707, 89.8256 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 194, 240) }
```

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

```
.background{ background-color: rgb(148,  
194, 240) }
```

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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