

Converting Colors

XYZ(47.1313, 56.9554, 95.6982)

Have a look what the booklet for
XYZ(47.1313, 56.9554, 95.6982)
contains.

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Color

**XYZ(47.1313, 56.9554,
95.6982)**

Conversions

Conversions Part 1

Format	Color
Hex	74D3F6
RGB	116, 211, 246
RGB Percent	45%, 83%, 96%
CMY	0.5451, 0.1725, 0.0353
CMYK	0.53, 0.14, 0.00, 0.04
HSL	196°, 88%, 71%
HSV	196°, 53%, 96%
XYZ	47.1313, 56.9554, 95.6982
YIQ	186.5850, -67.8550, -9.2550

Conversions

Conversions Part 2

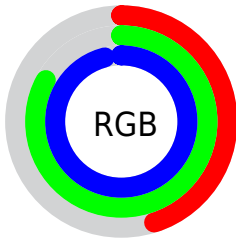
Format	Color
R _Y B	116, 171, 246
Decimal	7656438
CIE Lab	80.15, -18.70, -25.79
CIE LCh	80, 31.861, 234.054
Yxy	56.9554, 0.2359, 0.2851
Android (android.graphics.Color)	4285846518 (0xFF74D3F6)
YUV	186.5850, 29.2916, -61.9030
Hunter-Lab	75.4688, -20.5947, -22.3545

Details

The XYZ color **47.1313, 56.9554, 95.6982** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **52.2265, 42.9887, 22.0699**, and the grayscale version is **46.8700, 49.3109, 53.6996**.

A 20% lighter version of the original color is **71.4892, 87.8540, 107.7974**, and **22.5480, 28.1984, 52.9696** is the 20% darker color. If you saturate the color by 10%, you get **42.6727, 52.2655, 95.0290**, and if you desaturate by 10%, it is **52.5270, 62.2314, 96.4332**.

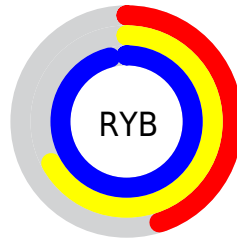
Distribution



Red (45%)

Green (83%)

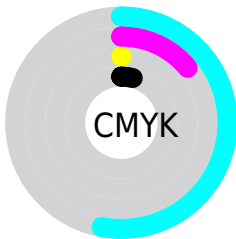
Blue (96%)



Red (45%)

Yellow (67%)

Blue (96%)

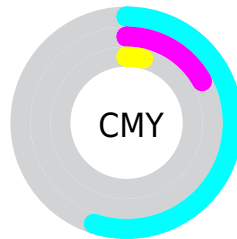


Cyan (53%)

Magenta (14%)

Yellow (0%)

Black (4%)



Cyan (55%)

Magenta (17%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.1313, 56.9554, 95.6982 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 47.1313, 56.9554, 95.6982 by changing the saturation by 10% instead.

47.1313, 56.9554,
95.6982

47.1313, 56.9554,
95.6982

365.9785,
413.2822, 567.4391

33.3478, 40.9694,
72.1161

85.1271, 100.4001,
157.2327

22.5536, 28.2952,
52.7661

110.0702,
128.6276, 196.0222

14.3831, 18.5483,
37.2297

139.4639,
161.7045, 240.7180

8.4711, 11.3444,
25.0882

173.6735,
200.0150, 291.7385

4.4521, 6.2990,
15.9231

213.0644,
243.9437, 349.5023

1.9610, 3.0277,
9.3160

258.0020,

0.6119, 1.1462,

293.8748, 414.4280

4.8483

308.8516,
350.1929, 486.9341

■ 0.0000, 0.0171,
2.1013

■ 0.0000, 0.0000,
0.6166

■ 47.1313, 56.9554,
95.6982

■ 47.1313, 56.9554,
95.6982

■ 42.6727, 52.2655,
95.0290

■ 52.5270, 62.2314,
96.4332

■ 39.0749, 48.1177,
94.4180

■ 58.9175, 68.1208,
97.2332

■ 36.2582, 44.4708,
93.8625

■ 66.3618, 74.6565,
98.1023

■ 34.1238, 41.2726,
93.3577

■ 74.9129, 81.8669,
99.0434

■ 32.9099, 39.2043,
93.0225

■ 84.6199, 89.7784,
100.0588

■ 92.2911, 96.7467,
100.9996

■ 93.6348, 99.4339,
101.4474

Harmonies

Analogous

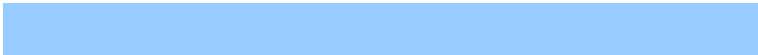
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



43.5154, 56.9554, 77.7596



47.1313, 56.9554, 95.6982



52.8513, 56.9554, 104.8086

Triad

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



47.1313, 56.9554, 95.6982



67.5256, 56.9554, 65.7932



49.2035, 56.9554, 34.7592

Complementary

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



47.1313, 56.9554, 95.6982



52.2265, 42.9887, 22.0699

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.



55.4381, 56.9554, 32.8167



47.1313, 56.9554, 95.6982



66.3540, 56.9554, 48.5530

Square

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



47.1313, 56.9554, 95.6982



64.8836, 56.9554, 85.4611



61.7990, 56.9554, 37.3386



44.6432, 56.9554, 43.3044

Rectangle

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



47.1313, 56.9554, 95.6982



57.2230, 56.9554, 103.5681



61.7990, 56.9554, 37.3386



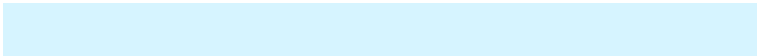
51.1590, 56.9554, 33.3944

Sweetspot

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



47.1331, 56.9575, 95.6996



78.1954, 86.2570, 107.1357



45.7187, 71.8495, 40.5972



16.3233, 18.1146, 22.8861



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.



47.1331, 56.9575, 95.6996



46.1829, 56.5798, 103.0946



34.1692, 31.0296, 91.3782



16.5973, 17.9589, 21.1342



17.6878, 21.1694, 49.6919



1.6392, 2.0297, 4.3956

Inverse Universe

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



56.0109, 36.7886, 65.7790



57.1259, 34.0686, 65.6865



65.6304, 69.7965, 26.5379



17.0121, 16.6877, 19.8102



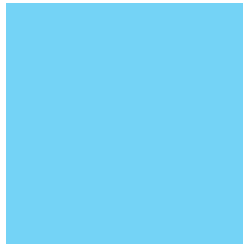
24.7325, 12.2364, 24.3634



2.2164, 1.0925, 2.3661

Previews

White Background



This preview shows how the XYZ color 47.1313, 56.9554, 95.6982 looks on a white background.

Color Contrast Check

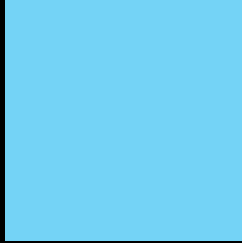
Large Text (above 18pt) WCAG AA × Fail

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 47.1313, 56.9554, 95.6982 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 47.1313, 56.9554, 95.6982

Background



This preview shows how black text looks on a background with the XYZ color 47.1313, 56.9554, 95.6982.

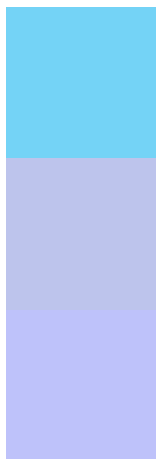


This preview shows how white text looks on a background with the XYZ color 47.1313, 56.9554,

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

47.1313, 56.9554, 95.6982

Protanopia

55.8665, 56.3548, 87.2900

Deuteranopia

57.7823, 56.4329, 98.2897



Tritanopia

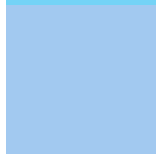
45.0259, 57.2422, 84.2770

Trichromacy



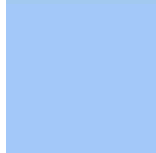
Original Color

47.1313, 56.9554, 95.6982



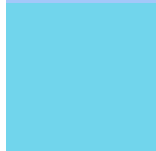
Protanomaly

51.5151, 55.7459, 90.4830



Deuteranomaly

52.8574, 55.9346, 97.6331



Tritanomaly

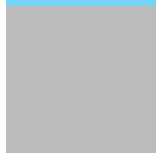
45.7446, 57.1553, 87.9780

Monochromacy



Original Color

47.1313, 56.9554, 95.6982



Achromatopsia

47.2335, 49.6933, 54.1160



Achromatomaly

45.8230, 51.6110, 67.2213

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.1313, 56.9554, 95.6982 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(116, 211, 246)` looks like.

```
.text, #text, p{  
    color:rgb(116, 211, 246)  
}
```

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(116, 211, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 211, 246) }
```

Border

The CSS property to change the border of an element to XYZ 47.1313, 56.9554, 95.6982 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(116, 211, 246) }
```


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

```
.border{ border-color:rgb(116, 211, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 211, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 211, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 211, 246);  
box-shadow:4px 4px 4px 4px rgb(116, 211,  
246) }
```

Background

The CSS property to change the background color of an element to XYZ 47.1313, 56.9554, 95.6982 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 211, 246) }
```

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

```
.background{ background-color: rgb(116,  
211, 246) }
```

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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