

Converting Colors

XYZ(46.3771, 56.8857,
103.1434)

Have a look what the booklet for
XYZ(46.3771, 56.8857, 103.1434)
contains.

XYZ(46.3128, 56.7399, 103.1187)	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(46.3128, 56.7399,
103.1187)**

Conversions

Conversions Part 1

Format	Color
Hex	5FD4FF
RGB	95, 212, 255
RGB Percent	37%, 83%, 100%
CMY	0.6274, 0.1686, 0.0000
CMYK	0.63, 0.17, 0.00, 0.00
HSL	196°, 100%, 69%
HSV	196°, 63%, 100%
XYZ	46.3128, 56.7399, 103.1187
YIQ	181.9190, -83.5350, -11.4310

Conversions

Conversions Part 2

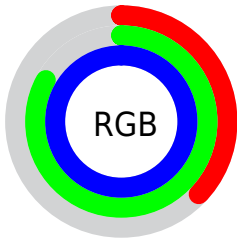
Format	Color
R _Y B	95, 163, 255
Decimal	6280447
CIE Lab	80.03, -20.48, -30.83
CIE LCh	80, 37.017, 236.401
Yxy	56.7399, 0.2246, 0.2752
Android (android.graphics.Color)	4284470527 (0xFF5FD4FF)
YUV	181.9190, 36.0289, -76.2280
Hunter-Lab	75.3259, -22.0727, -28.4380

Details

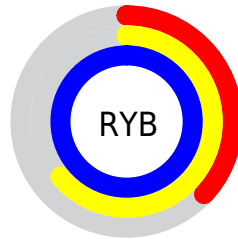
The XYZ color **46.3128, 56.7399, 103.1187** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted cyan. A complement of this color would be **52.3952, 40.2649, 15.8389**, and the grayscale version is **44.2641, 46.5693, 50.7139**.

A 20% lighter version of the original color is **68.1081, 86.1109, 107.6391**, and **22.2500, 28.1912, 57.6948** is the 20% darker color. If you saturate the color by 10%, you get **42.4077, 52.2384, 102.4556**, and if you desaturate by 10%, it is **51.1605, 61.8375, 103.8471**.

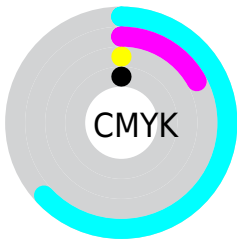
Distribution



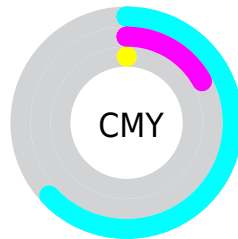
- Red (37%)
- Green (83%)
- Blue (100%)



- Red (37%)
- Yellow (64%)
- Blue (100%)



- Cyan (63%)
- Magenta (17%)
- Yellow (0%)
- Black (0%)



- Cyan (63%)
- Magenta (17%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.3128, 56.7399, 103.1187 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 46.3128, 56.7399, 103.1187 by changing the saturation by 10% instead.

46.3128, 56.7399,
103.1187

46.3128, 56.7399,
103.1187

362.7597,
412.4740, 591.4778

32.6984, 40.7965,
78.2763

83.9119, 100.0856,
167.5256

22.0536, 28.1601,
57.7832

108.6274,
128.2566, 207.9271

14.0131, 18.4464,
41.2208

137.7739,
161.2722, 254.3521

8.2116, 11.2709,
28.1707

171.7168,
199.5169, 307.2191

4.2836, 6.2494,
18.2142

210.8215,
243.3750, 366.9466

1.8638, 2.9973,
10.9328

255.4533,

0.5556, 1.1303,

293.2310, 433.9532

5.9081

305.9776,
349.4692, 508.6574

■ 0.0000, 0.0037,
2.7214

■ 0.0000, 0.0000,
0.9542

■ 46.3128, 56.7399,
103.1187

■ 46.3128, 56.7399,
103.1187

■ 42.4077, 52.2384,
102.4556

■ 51.1605, 61.8375,
103.8471

■ 39.3511, 48.2798,
101.8527

■ 57.0229, 67.5664,
104.6439

■ 37.0369, 44.8092,
101.3047

■ 63.9707, 73.9653,
105.5129

■ 35.7081, 42.5362,
100.9360

■ 72.0664, 81.0678,
106.4571

■ 81.3676, 88.9048,
107.4795

■ 91.9280, 97.5051,
108.5830

95.0500, 100.0000,
108.9000

Harmonies

Analogous

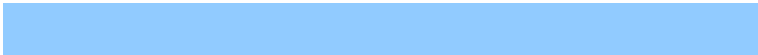
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



41.9806, 56.7399, 82.0964



46.3128, 56.7399, 103.1187



53.0263, 56.7399, 113.0475

Triad

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



46.3128, 56.7399, 103.1187



69.6963, 56.7399, 64.4182



47.7488, 56.7399, 31.6018

Complementary

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



46.3128, 56.7399, 103.1187



52.3952, 40.2649, 15.8389

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.



54.8430, 56.7399, 28.9669



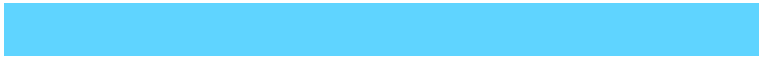
46.3128, 56.7399, 103.1187



67.9546, 56.7399, 45.1268

Square

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



46.3128, 56.7399, 103.1187



66.9004, 56.7399, 87.6638



62.3388, 56.7399, 33.2951



42.7540, 56.7399, 41.5701

Rectangle

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



46.3128, 56.7399, 103.1187



58.1187, 56.7399, 110.6644



62.3388, 56.7399, 33.2951



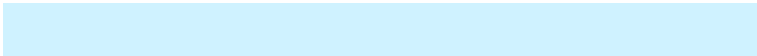
49.9468, 56.7399, 29.9460

Sweetspot

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



46.3145, 56.7419, 103.1190



75.4025, 83.9126, 106.8304



45.0440, 75.7789, 36.1735



15.5901, 17.4933, 22.8048



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.



46.3145, 56.7419, 103.1190



41.6466, 51.2986, 102.3144



31.0676, 26.2482, 98.0367



18.1177, 19.6070, 23.0796



18.7881, 22.4857, 52.7845



1.9196, 2.3699, 5.1695

Inverse Universe

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



57.2170, 34.1996, 65.8749



53.9108, 29.2392, 59.6794



68.2915, 72.0575, 21.1377



18.5721, 18.2121, 21.6296



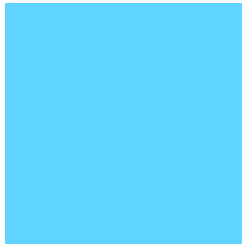
26.2715, 12.9979, 25.8781



2.6035, 1.2838, 2.7596

Previews

White Background



This preview shows how the XYZ color 46.3128, 56.7399, 103.1187 looks on a white background.

Color Contrast Check

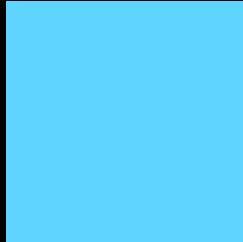
Large Text (above 18pt) WCAG AA × Fail

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 46.3128, 56.7399, 103.1187 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

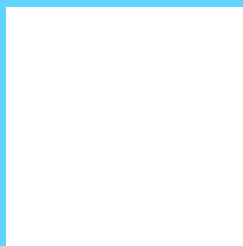
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.3128, 56.7399, 103.1187

Background



This preview shows how black text looks on a background with the XYZ color 46.3128, 56.7399, 103.1187.

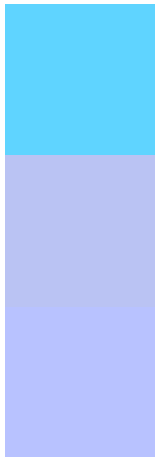


This preview shows how white text looks on a background with the XYZ color 46.3128, 56.7399,

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

46.3128, 56.7399, 103.1187

Protanopia

55.9425, 55.9404, 92.6431

Deuteranopia

57.1090, 55.9939, 102.4057



Tritanopia

42.9200, 56.8797, 85.8076

Trichromacy



Original Color

46.3128, 56.7399, 103.1187

Protanomaly

50.8120, 55.2610, 95.9840

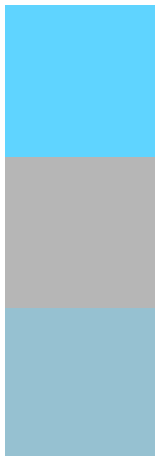
Deuteranomaly

51.8855, 55.6687, 102.6182

Tritanomaly

44.2021, 57.0265, 91.8966

Monochromacy



Original Color

46.3128, 56.7399, 103.1187

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

43.1563, 49.2274, 67.5489

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.3128, 56.7399, 103.1187 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(95, 212, 255)` looks like.

```
.text, #text, p{  
    color:rgb(95, 212, 255)  
}
```

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(95, 212, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 212, 255) }
```

Border

The CSS property to change the border of an element to XYZ 46.3128, 56.7399, 103.1187 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(95, 212, 255) }
```


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

```
.border{ border-color:rgb(95, 212, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 212, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 212, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 212, 255);  
box-shadow:4px 4px 4px 4px rgb(95, 212,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 46.3128, 56.7399, 103.1187 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 212, 255) }
```

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

```
.background{ background-color: rgb(95, 212,  
255) }
```

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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