

Converting Colors

XYZ(46.2999, 56.4427, 92.7740)

Have a look what the booklet for
XYZ(46.2999, 56.4427, 92.7740)
contains.

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Color

**XYZ(46.3915, 56.6442,
92.4927)**

Conversions

Conversions Part 1

Format	Color
Hex	73D3F2
RGB	115, 211, 242
RGB Percent	45%, 83%, 95%
CMY	0.5490, 0.1725, 0.0510
CMYK	0.52, 0.13, 0.00, 0.05
HSL	195°, 83%, 70%
HSV	195°, 52%, 95%
XYZ	46.3915, 56.6442, 92.4927
YIQ	185.8300, -67.1670, -10.7110

Conversions

Conversions Part 2

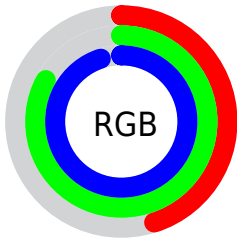
Format	Color
R _Y B	115, 170, 242
Decimal	7590898
CIE Lab	79.98, -20.03, -23.93
CIE LCh	80, 31.208, 230.075
Yxy	56.6442, 0.2373, 0.2897
Android (android.graphics.Color)	4285780978 (0xFF73D3F2)
YUV	185.8300, 27.6918, -62.1179
Hunter-Lab	75.2623, -21.6822, -20.1801

Details

The XYZ color **46.3915, 56.6442, 92.4927** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **49.9927, 40.6743, 21.4374**, and the grayscale version is **46.4556, 48.8749, 53.2248**.

A 20% lighter version of the original color is **71.2656, 87.7387, 107.7869**, and **22.0668, 28.0002, 50.6959** is the 20% darker color. If you saturate the color by 10%, you get **42.1769, 52.3340, 91.8839**, and if you desaturate by 10%, it is **51.4988, 61.4971, 93.1613**.

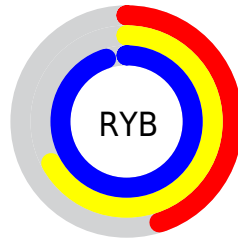
Distribution



Red (45%)

Green (83%)

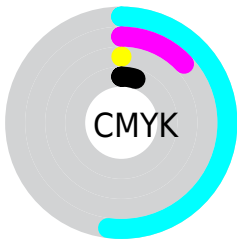
Blue (95%)



Red (45%)

Yellow (67%)

Blue (95%)

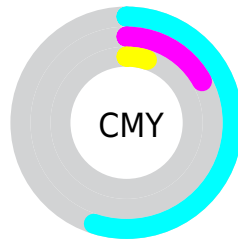


Cyan (52%)

Magenta (13%)

Yellow (0%)

Black (5%)



Cyan (55%)


Magenta (17%)


Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.3915, 56.6442, 92.4927 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 46.3915, 56.6442, 92.4927 by changing the saturation by 10% instead.


 46.3915, 56.6442,
92.4927


 46.3915, 56.6442,
92.4927


363.0700,
412.1147, 556.8845


 32.7608, 40.7197,
69.4646


 84.0289, 99.9458,
152.7617

 22.1016, 28.1001,
50.6161

 108.7663,
128.0917, 190.8397

 14.0486, 18.4011,
35.5286


 137.9366,
161.0802, 234.7714

 8.2364, 11.2384,
23.7835

171.9053,
199.2956, 284.9754

 4.2997, 6.2274,
14.9624

211.0376,
243.1224, 341.8701

 1.8730, 2.9838,
8.6467

255.6989,

 0.5611, 1.1233,

292.9449, 405.8742

4.4178

306.2546,
349.1475, 477.4062

■ 0.0000, 0.0000,
1.8572

■ 0.0000, 0.0000,
0.4653

■ 46.3915, 56.6442,
92.4927

■ 46.3915, 56.6442,
92.4927

■ 42.1769, 52.3340,
91.8839

■ 51.4988, 61.4971,
93.1613

■ 38.7821, 48.5244,
91.3275

■ 57.5536, 66.9181,
93.8885

■ 36.1312, 45.1767,
90.8211

■ 64.6124, 72.9384,
94.6785

■ 34.1306, 42.2417,
90.3600

■ 72.7256, 79.5848,
95.5338

■ 32.9467, 40.2498,
90.0379

■ 81.9401, 86.8823,
96.4567

■ 90.3585, 93.8534,
97.3585

■ 92.1882, 97.5129,
97.9684

■ 93.0272, 99.1909,
98.2481

Harmonies

Analogous

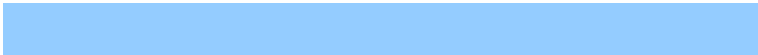
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



43.1864, 56.6442, 74.4455



46.3915, 56.6442, 92.4927



51.7658, 56.6442, 102.8287

Triad

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



46.3915, 56.6442, 92.4927



66.7543, 56.6442, 67.8879



49.7638, 56.6442, 34.3642

Complementary

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



46.3915, 56.6442, 92.4927



49.9927, 40.6743, 21.4374

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.



55.9661, 56.6442, 33.2936



46.3915, 56.6442, 92.4927



66.1125, 56.6442, 50.4570

Square

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



46.3915, 56.6442, 92.4927



63.7334, 56.6442, 86.8905



62.0429, 56.6442, 38.5995



45.0249, 56.6442, 41.8824

Rectangle

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



46.3915, 56.6442, 92.4927



55.9983, 56.6442, 102.8064



62.0429, 56.6442, 38.5995



51.7352, 56.6442, 33.3041

Sweetspot

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



46.3933, 56.6463, 92.4941



78.5049, 86.8760, 107.2388



43.9065, 69.1834, 37.6816



16.3975, 18.2631, 22.9108



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.



46.3933, 56.6463, 92.4941



47.2035, 58.6211, 103.4349



33.8253, 31.5103, 88.3047



15.9015, 17.2371, 20.2106



17.8115, 21.8472, 48.4060



1.5587, 1.9714, 4.0526

Inverse Universe

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



54.5081, 35.8436, 65.6759



57.6411, 34.2747, 68.3994



62.3022, 65.2934, 25.5406



16.2797, 15.9616, 19.0293



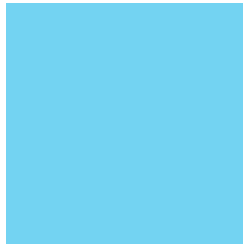
24.3160, 11.9988, 25.3785



2.0617, 1.0137, 2.3159

Previews

White Background



This preview shows how the XYZ color 46.3915, 56.6442, 92.4927 looks on a white background.

Color Contrast Check

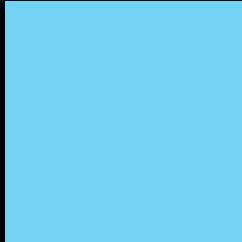
Large Text (above 18pt) WCAG AA × Fail

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 46.3915, 56.6442, 92.4927 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 46.3915, 56.6442, 92.4927

Background



This preview shows how black text looks on a background with the XYZ color 46.3915, 56.6442, 92.4927.

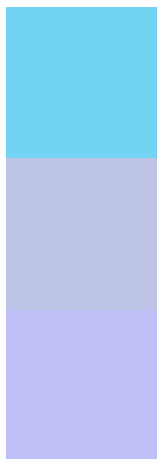


This preview shows how white text looks on a background with the XYZ color 46.3915, 56.6442,

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

46.3915, 56.6442, 92.4927

Protanopia

55.3989, 56.1965, 83.5285

Deuteranopia

57.1904, 55.8701, 94.9585



Tritanopia

44.6327, 56.6812, 83.4511

Trichromacy



Original Color

46.3915, 56.6442, 92.4927

Protanomaly

50.9863, 55.5580, 86.6338

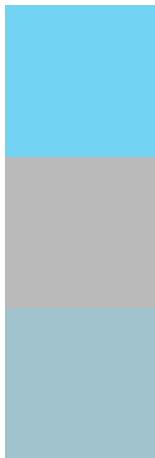
Deuteranomaly

52.2400, 55.6877, 94.3817

Tritanomaly

45.0769, 56.4722, 86.3663

Monochromacy



Original Color

46.3915, 56.6442, 92.4927

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

45.1529, 50.9600, 65.8490

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.3915, 56.6442, 92.4927 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(115, 211, 242)` looks like.

```
.text, #text, p{  
    color:rgb(115, 211, 242)  
}
```

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(115, 211, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 211, 242) }
```

Border

The CSS property to change the border of an element to XYZ 46.3915, 56.6442, 92.4927 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(115, 211, 242) }
```


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

```
.border{ border-color:rgb(115, 211, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 211, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 211, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 211, 242);  
box-shadow:4px 4px 4px 4px rgb(115, 211,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 46.3915, 56.6442, 92.4927 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 211, 242) }
```

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

```
.background{ background-color: rgb(115,  
211, 242) }
```

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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