

Converting Colors

XYZ(46.0812, 61.3072, 89.9231)

Have a look what the booklet for
XYZ(46.0812, 61.3072, 89.9231)
contains.

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Color

**XYZ(46.0367, 61.1221,
90.2603)**

Conversions

Conversions Part 1

Format	Color
Hex	5ADFE6
RGB	90, 223, 238
RGB Percent	35%, 87%, 93%
CMY	0.6470, 0.1255, 0.0667
CMYK	0.62, 0.06, 0.00, 0.07
HSL	186°, 81%, 64%
HSV	186°, 62%, 93%
XYZ	46.0367, 61.1221, 90.2603
YIQ	184.9430, -84.0830, -23.5310

Conversions

Conversions Part 2

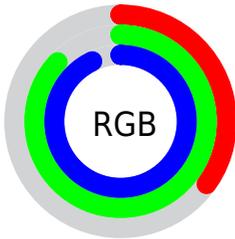
Format	Color
R _{YB}	90, 160, 238
Decimal	5955566
CIE Lab	82.44, -31.66, -18.15
CIE LCh	82, 36.493, 209.819
Yxy	61.1221, 0.2332, 0.3096
Android (android.graphics.Color)	4284145646 (0xFF5ADFE6)
YUV	184.9430, 26.1571, -83.2650
Hunter-Lab	78.1806, -31.7063, -13.7245

Details

The XYZ color **46.0367, 61.1221, 90.2603** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **42.1583, 29.0199, 13.0539**, and the grayscale version is **45.9770, 48.3714, 52.6765**.

A 20% lighter version of the original color is **67.1364, 85.6100, 107.5937**, and **22.2622, 31.0148, 49.0691** is the 20% darker color. If you saturate the color by 10%, you get **43.4423, 58.8361, 89.9569**, and if you desaturate by 10%, it is **49.3849, 63.8130, 90.6043**.

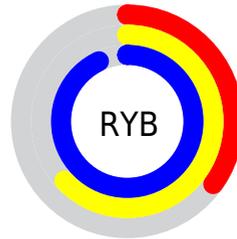
Distribution



Red (35%)

Green (87%)

Blue (93%)



Red (35%)

Yellow (63%)

Blue (93%)

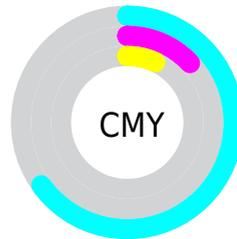


Cyan (62%)

Magenta (6%)

Yellow (0%)

Black (7%)



Cyan (65%)

Magenta (13%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.0367, 61.1221, 90.2603 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 46.0367, 61.1221, 90.2603 by changing the saturation by 10% instead.

 46.0367, 61.1221,
90.2603

 46.0367, 61.1221,
90.2603

361.6696,
428.7216, 549.4692

 32.4795, 44.3237,
67.6216

 83.5014, 106.4557,
149.6386

 21.8854, 30.9251,
49.1252

 108.1397,
135.7597, 187.2153

 13.8888, 20.5418,
34.3525

 137.2024,
170.0011, 230.6084

 8.1246, 12.7895,
22.8850

 171.0549,
209.5641, 280.2365

 4.2272, 7.2838,
14.3041

210.0625,
254.8333, 336.5180

 1.8315, 3.6402,
8.1913

254.5906,

 0.5365, 1.4744,

306.1930, 399.8717

4.1281

305.0045,
364.0276, 470.7159

■ 0.0000, 0.2706,
1.6959

■ 0.0000, 0.0000,
0.3579

■ 46.0367, 61.1221,
90.2603

■ 46.0367, 61.1221,
90.2603

■ 43.4423, 58.8361,
89.9569

■ 49.3849, 63.8130,
90.6043

■ 41.5224, 56.9100,
89.6863

■ 53.5452, 66.9349,
90.9877

■ 40.1902, 55.3004,
89.4459

■ 58.5765, 70.5196,
91.4144

■ 39.4496, 54.2066,
89.2738

■ 64.5309, 74.5939,
91.8870

 71.4560, 79.1825,
92.4077

 79.3964, 84.3084,
92.9786

 87.7997, 89.6869,
93.5738

 88.5141, 91.1156,
93.8119

 89.2379, 92.5632,
94.0532

Harmonies

Analogous

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



44.3582, 61.1221, 66.4158



46.0367, 61.1221, 90.2603



50.8805, 61.1221, 110.9826

Triad

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



46.0367, 61.1221, 90.2603



72.0386, 61.1221, 90.5490



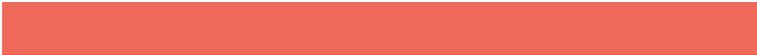
58.1422, 61.1221, 32.1932

Complementary

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



46.0367, 61.1221, 90.2603



42.1583, 29.0199, 13.0539

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.



65.9606, 61.1221, 35.9138



46.0367, 61.1221, 90.2603



74.4093, 61.1221, 66.6876

Square

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



46.0367, 61.1221, 90.2603



65.8712, 61.1221, 111.1738



72.0934, 61.1221, 47.4070



50.9557, 61.1221, 35.8238

Rectangle

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



46.0367, 61.1221, 90.2603



55.4853, 61.1221, 118.3735



72.0934, 61.1221, 47.4070



60.7847, 61.1221, 32.6114

Sweetspot

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



46.0386, 61.1244, 90.2618



77.8702, 88.8478, 107.6529



37.3320, 64.3399, 23.7638



16.1934, 18.6998, 23.0059



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.



46.0386, 61.1244, 90.2618



50.0338, 68.0731, 105.1101



30.4299, 29.9069, 85.0589



16.1025, 17.6391, 20.2776



22.0638, 30.3519, 49.8235



1.8747, 2.6033, 4.1579

Inverse Universe

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



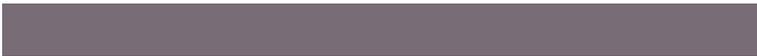
52.2369, 30.8188, 73.0100



58.1443, 30.9326, 81.9726



53.1870, 51.0773, 16.7301



16.3812, 16.0022, 19.5635



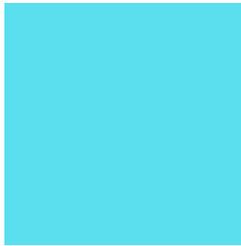
26.4624, 12.8574, 36.6813



2.2212, 1.0775, 3.1557

Previews

White Background



This preview shows how the XYZ color 46.0367, 61.1221, 90.2603 looks on a white background.

Color Contrast Check

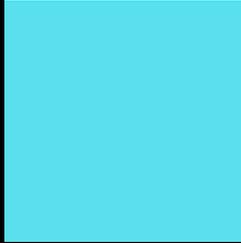
Large Text (above 18pt) WCAG AA × Fail

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 46.0367, 61.1221, 90.2603 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

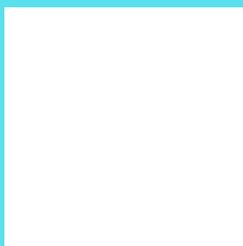
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.0367, 61.1221, 90.2603

Background



This preview shows how black text looks on a background with the XYZ color 46.0367, 61.1221, 90.2603.



This preview shows how white text looks on a background with the XYZ color 46.0367, 61.1221,

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

46.0367, 61.1221, 90.2603

Protanopia

58.7985, 60.0948, 79.7346

Deuteranopia

61.5029, 60.1553, 93.1636



Tritanopia

46.5792, 61.3504, 92.6059

Trichromacy



Original Color

46.0367, 61.1221, 90.2603



Protanomaly

52.0275, 59.3834, 83.5829



Deuteranomaly

53.5373, 59.2492, 91.8336



Tritanomaly

46.4302, 61.2908, 91.8212

Monochromacy



Original Color

46.0367, 61.1221, 90.2603



Achromatopsia

46.1135, 48.5150, 52.8328



Achromatomaly

43.9002, 51.6905, 64.7902

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.0367, 61.1221, 90.2603 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(90, 223, 238)` looks like.

```
.text, #text, p{  
    color:rgb(90, 223, 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(90, 223, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 223, 238) }
```

Border

The CSS property to change the border of an element to XYZ 46.0367, 61.1221, 90.2603 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(90, 223, 238) }
```


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

```
.border{ border-color:rgb(90, 223, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 223, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 223, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 223, 238);  
box-shadow:4px 4px 4px 4px rgb(90, 223,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 46.0367, 61.1221, 90.2603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 223, 238) }
```

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

```
.background{ background-color: rgb(90, 223,  
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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