

Converting Colors

XYZ(46.9697, 60.4236, 90.0763)

Have a look what the booklet for
XYZ(46.9697, 60.4236, 90.0763)
contains.

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Color

**XYZ(46.9697, 60.4236,
90.0763)**

Conversions

Conversions Part 1

Format	Color
Hex	6ADCEE
RGB	106, 220, 238
RGB Percent	42%, 86%, 93%
CMY	0.5843, 0.1372, 0.0667
CMYK	0.55, 0.08, 0.00, 0.07
HSL	188°, 80%, 67%
HSV	188°, 55%, 93%
XYZ	46.9697, 60.4236, 90.0763
YIQ	187.9660, -73.7220, -18.5700

Conversions

Conversions Part 2

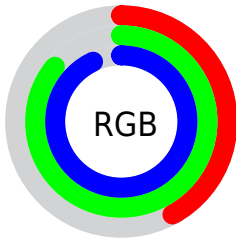
Format	Color
RYB	106, 167, 238
Decimal	7003374
CIELab	82.07, -27.40, -18.67
CIELCh	82, 33.158, 214.263
Yxy	60.4236, 0.2379, 0.3060
Android (android.graphics.Color)	4285193454 (0xFF6ADCEE)
YUV	187.9660, 24.6668, -71.8842
Hunter-Lab	77.7326, -28.1740, -14.2922

Details

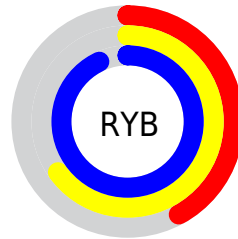
The XYZ color **46.9697, 60.4236, 90.0763** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **45.0705, 33.6347, 17.7542**, and the grayscale version is **47.6769, 50.1598, 54.6240**.

A 20% lighter version of the original color is **69.7463, 86.9555, 107.7158**, and **22.4943, 30.5947, 48.9758** is the 20% darker color. If you saturate the color by 10%, you get **43.6810, 57.4773, 89.6820**, and if you desaturate by 10%, it is **51.0633, 63.8120, 90.5157**.

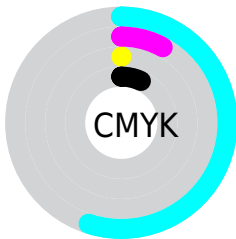
Distribution



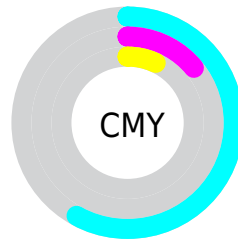
- Red (42%)
- Green (86%)
- Blue (93%)



- Red (42%)
- Yellow (65%)
- Blue (93%)



- Cyan (55%)
- Magenta (8%)
- Yellow (0%)
- Black (7%)




- Cyan (58%)
- Magenta (14%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.9697, 60.4236, 90.0763 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 46.9697, 60.4236, 90.0763 by changing the saturation by 10% instead.


 46.9697, 60.4236,
90.0763


 46.9697, 60.4236,
90.0763


365.3445,
426.1574, 548.8555


 33.2195, 43.7602,
67.4699


 84.8874, 105.4439,
149.3808

 22.4547, 30.4820,
49.0026


 109.7857,
134.5696, 186.9160

 14.3099, 20.2047,
34.2559


 139.1307,
168.6181, 230.2645

 8.4196, 12.5439,
22.8113

173.2878,
207.9739, 279.8448

 4.4187, 7.1153,
14.2503

212.6224,
253.0213, 336.0755

 1.9416, 3.5343,
8.1542

257.4998,

 0.6008, 1.4166,

304.1447, 399.3752

4.1046

308.2854,
361.7287, 470.1624

■ 0.0000, 0.2289,
1.6829

■ 0.0000, 0.0000,
0.3490

■ 46.9697, 60.4236,
90.0763

■ 46.9697, 60.4236,
90.0763

■ 43.6810, 57.4773,
89.6820

■ 51.0633, 63.8120,
90.5157

■ 41.1249, 54.9318,
89.3254

■ 56.0154, 67.6664,
90.9986

■ 39.2254, 52.7490,
89.0042

■ 61.8815, 72.0167,
91.5292

■ 37.8865, 50.8794,
88.7139

■ 68.7105, 76.8884,
92.1096

■ 37.3957, 50.0988,
88.5891

■ 76.5481, 82.3051,
92.7420

■ 85.4370, 88.2890,
93.4285

■ 88.6397, 91.3670,
93.8538

■ 89.6181, 93.3237,
94.1799

■ 90.6137, 95.3148,
94.5118

Harmonies

Analogous

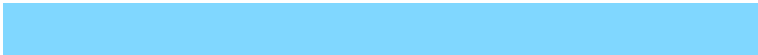
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



44.9801, 60.4236, 68.7102



46.9697, 60.4236, 90.0763



51.7597, 60.4236, 107.1787

Triad

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



46.9697, 60.4236, 90.0763



70.4855, 60.4236, 84.0707



56.4321, 60.4236, 34.2488

Complementary

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



46.9697, 60.4236, 90.0763



45.0705, 33.6347, 17.7542

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.



63.5018, 60.4236, 36.7215



46.9697, 60.4236, 90.0763



71.9901, 60.4236, 62.9557

Square

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



46.9697, 60.4236, 90.0763



65.3805, 60.4236, 103.2445



69.3402, 60.4236, 46.3174



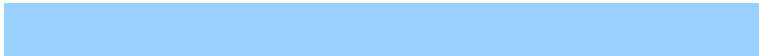
50.1531, 60.4236, 38.7066

Rectangle

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



46.9697, 60.4236, 90.0763



56.0904, 60.4236, 112.3061



69.3402, 60.4236, 46.3174



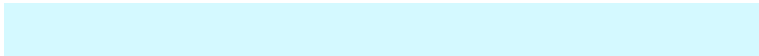
58.7925, 60.4236, 34.3050

Sweetspot

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



46.9716, 60.4259, 90.0777



79.0038, 88.9715, 107.6170



40.1328, 65.6598, 29.4968



16.5535, 18.7912, 23.0046



0.0000, 0.0000, 0.0000



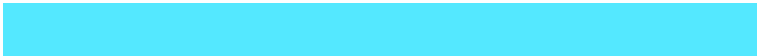
20.3446, 21.4041, 23.3091

Same Dimension

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



46.9716, 60.4259, 90.0777



50.4929, 66.6583, 104.8128



33.0000, 32.4828, 85.4206



16.0529, 17.5399, 20.2611



20.9334, 28.0909, 49.4467



1.7917, 2.4374, 4.1303

Inverse Universe

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



53.3338, 33.6544, 71.3974



58.9454, 33.4333, 79.4700



56.1899, 55.8735, 21.4607



16.3561, 15.9922, 19.4316



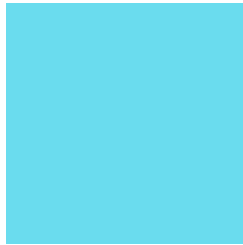
25.8918, 12.6292, 33.6765



2.1793, 1.0608, 2.9352

Previews

White Background



This preview shows how the XYZ color 46.9697, 60.4236, 90.0763 looks on a white background.

Color Contrast Check

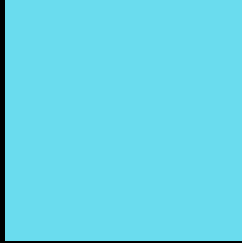
Large Text (above 18pt) WCAG AA × Fail

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 46.9697, 60.4236, 90.0763 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

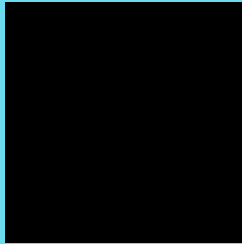
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.9697, 60.4236, 90.0763

Background



This preview shows how black text looks on a background with the XYZ color 46.9697, 60.4236, 90.0763.

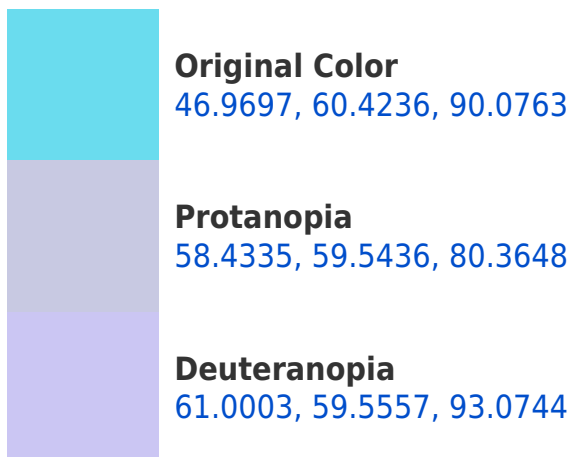


This preview shows how white text looks on a background with the XYZ color 46.9697, 60.4236,

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





Tritanopia

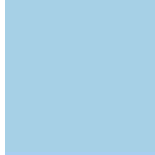
46.9697, 60.4236, 90.0763

Trichromacy



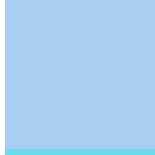
Original Color

46.9697, 60.4236, 90.0763



Protanomaly

52.5647, 58.9319, 83.4675



Deuteranomaly

54.0969, 58.8183, 91.7209



Tritanomaly

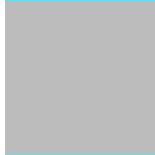
46.9697, 60.4236, 90.0763

Monochromacy



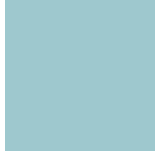
Original Color

46.9697, 60.4236, 90.0763



Achromatopsia

47.7994, 50.2886, 54.7643



Achromatomaly

45.8954, 53.0339, 66.2101

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.9697, 60.4236, 90.0763 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(106, 220, 238)` looks like.

```
.text, #text, p{  
    color:rgb(106, 220, 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(106, 220, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 220, 238) }
```

Border

The CSS property to change the border of an element to XYZ 46.9697, 60.4236, 90.0763 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(106, 220, 238) }
```


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

```
.border{ border-color:rgb(106, 220, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 220, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(106, 220, 238); -webkit-box-shadow:4px 4px 4px 4px rgb(106, 220, 238); box-shadow:4px 4px 4px 4px rgb(106, 220, 238) }
```

Background

The CSS property to change the background color of an element to XYZ 46.9697, 60.4236, 90.0763 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 220, 238) }
```

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

```
.background{ background-color: rgb(106,  
220, 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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