

Converting Colors

XYZ(46.5945, 65.1220, 90.1575)

Have a look what the booklet for
XYZ(46.5945, 65.1220, 90.1575)
contains.

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Color

**XYZ(46.5969, 65.0929,
90.2290)**

Conversions

Conversions Part 1

Format	Color
Hex	45E8ED
RGB	69, 232, 237
RGB Percent	27%, 91%, 93%
CMY	0.7294, 0.0902, 0.0706
CMYK	0.71, 0.02, 0.00, 0.07
HSL	182°, 82%, 60%
HSV	182°, 71%, 93%
XYZ	46.5969, 65.0929, 90.2290
YIQ	183.8330, -98.7530, -33.0010

Conversions

Conversions Part 2

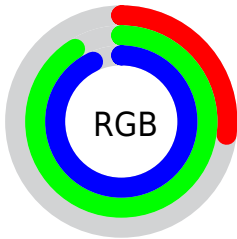
Format	Color
RYB	69, 152, 237
Decimal	4581613
CIELab	84.53, -39.07, -14.53
CIELCh	85, 41.684, 200.394
Yxy	65.0929, 0.2308, 0.3224
Android (android.graphics.Color)	4282771693 (0xFF45E8ED)
YUV	183.8330, 26.2113, -100.7085
Hunter-Lab	80.6802, -38.0975, -9.8311

Details

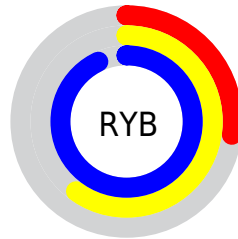
The XYZ color **46.5969, 65.0929, 90.2290** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **38.4494, 23.3333, 8.1092**, and the grayscale version is **45.3693, 47.7321, 51.9802**.

A 20% lighter version of the original color is **64.6252, 84.3154, 107.4761**, and **23.8658, 34.3869, 49.0955** is the 20% darker color. If you saturate the color by 10%, you get **45.0417, 63.9985, 90.1009**, and if you desaturate by 10%, it is **48.8278, 66.5396, 90.3919**.

Distribution



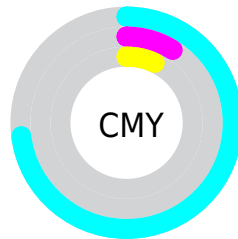
- Red (27%)
- Green (91%)
- Blue (93%)



- Red (27%)
- Yellow (60%)
- Blue (93%)



- Cyan (71%)
- Magenta (2%)
- Yellow (0%)
- Black (7%)





- Cyan (73%)
- Magenta (9%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.5969, 65.0929, 90.2290 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 46.5969, 65.0929, 90.2290 by changing the saturation by 10% instead.


 46.5969, 65.0929,
90.2290


 46.5969, 65.0929,
90.2290


363.8791,
443.1257, 549.3648


 32.9237, 47.5364,
67.5958


 84.3340, 112.1834,
149.5947


 22.2270, 33.4599,
49.1043


 109.1287,
142.4862, 187.1644

 14.1413, 22.4790,
34.3361

 138.3612,
177.8066, 230.5499

 8.3014, 14.2093,
22.8725

 172.3969,
218.5289, 280.1699

 4.3418, 8.2664,
14.2949

211.6012,
265.0376, 336.4428

 1.8973, 4.2659,
8.1850

256.3394,

 0.5752, 1.8234,

317.7170, 399.7872

4.1241

306.9769,
376.9516, 470.6217

■ 0.0000, 0.5017,
1.6937

■ 0.0000, 0.0000,
0.3564

■ 46.5969, 65.0929,
90.2290

■ 46.5969, 65.0929,
90.2290

■ 45.0417, 63.9985,
90.1009

■ 48.8278, 66.5396,
90.3919


■ 44.0709, 63.2051,
89.9990


■ 51.7997, 68.3681,
90.5882


■ 43.5693, 62.6805,
89.9241


■ 55.5769, 70.6130,
90.8224


■ 60.2151, 73.3029,
91.0971

 65.7652, 76.4640,
91.4148

 72.2738, 80.1205,
91.7775

 79.7847, 84.2949,
92.1874

 86.9974, 88.3167,
92.5835

 87.2027, 88.7273,
92.6519

Harmonies

Analogous

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



45.8814, 65.0929, 62.6798



46.5969, 65.0929, 90.2290



51.1701, 65.0929, 118.0219

Triad

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



46.5969, 65.0929, 90.2290



76.6696, 65.0929, 108.7271



64.8965, 65.0929, 31.4676

Complementary

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



46.5969, 65.0929, 90.2290



38.4494, 23.3333, 8.1092

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.



73.9637, 65.0929, 38.3275



46.5969, 65.0929, 90.2290



81.1957, 65.0929, 79.7553

Square

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



46.5969, 65.0929, 90.2290



68.3016, 65.0929, 130.4206



80.1588, 65.0929, 54.5078



55.8532, 65.0929, 32.9379

Rectangle

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



46.5969, 65.0929, 90.2290



56.0689, 65.0929, 130.7819



80.1588, 65.0929, 54.5078



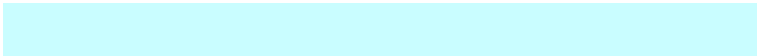
68.0555, 65.0929, 32.7939

Sweetspot

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



46.5989, 65.0953, 90.2306



77.5124, 90.2077, 107.9342



33.9031, 62.3003, 16.3368



16.1795, 19.0751, 23.0791



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.



46.5989, 65.0953, 90.2306



52.5958, 75.1112, 106.3336



28.6805, 29.2587, 84.2578



15.4770, 17.0405, 19.3957



23.8051, 34.2571, 49.1006



1.8814, 2.7143, 3.8596

Inverse Universe

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



51.6203, 28.0887, 79.0476



58.9701, 29.4739, 91.8371



47.8560, 42.1464, 11.2447



15.6943, 15.3056, 18.9416



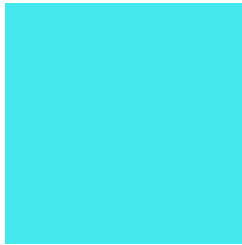
26.8710, 12.9511, 41.9835



2.1161, 1.0194, 3.3289

Previews

White Background



This preview shows how the XYZ color 46.5969, 65.0929, 90.2290 looks on a white background.

Color Contrast Check

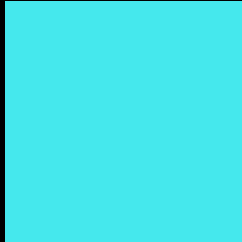
Large Text (above 18pt) WCAG AA × Fail

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 46.5969, 65.0929, 90.2290 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

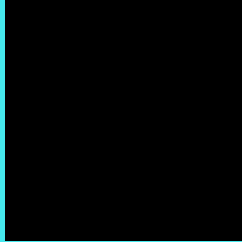
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.5969, 65.0929, 90.2290

Background



This preview shows how black text looks on a background with the XYZ color 46.5969, 65.0929, 90.2290.

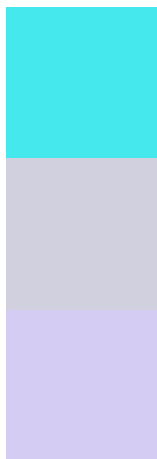


This preview shows how white text looks on a background with the XYZ color 46.5969, 65.0929,

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

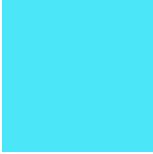
46.5969, 65.0929, 90.2290

Protanopia

62.0352, 63.9410, 78.1795

Deuteranopia

65.2111, 63.8029, 93.6722



Tritanopia

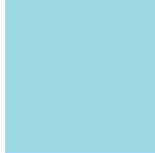
48.3762, 64.9697, 99.6132

Trichromacy



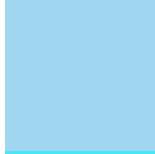
Original Color

46.5969, 65.0929, 90.2290



Protanomaly

52.7785, 62.4409, 81.9436



Deuteranomaly

54.6217, 62.0211, 92.3115



Tritanomaly

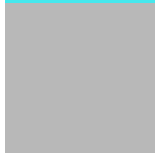
47.8050, 65.1609, 96.4439

Monochromacy



Original Color

46.5969, 65.0929, 90.2290



Achromatopsia

45.5594, 47.9320, 52.1980



Achromatomaly

42.8215, 51.8359, 64.2483

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.5969, 65.0929, 90.2290 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(69, 232, 237)` looks like.

```
.text, #text, p{  
    color:rgb(69, 232, 237)  
}
```

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(69, 232, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 232, 237) }
```

Border

The CSS property to change the border of an element to XYZ 46.5969, 65.0929, 90.2290 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(69, 232, 237) }
```


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

```
.border{ border-color:rgb(69, 232, 237) }
```

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

Here you see how a box with a 4 pixel rgb(69, 232, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 232, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 232, 237);  
box-shadow:4px 4px 4px 4px rgb(69, 232,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 46.5969, 65.0929, 90.2290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 232, 237) }
```

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

```
.background{ background-color: rgb(69, 232,  
237) }
```

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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