

Converting Colors

XYZ(46.6569, 56.8196, 69.2930)

Have a look what the booklet for
XYZ(46.6569, 56.8196, 69.2930)
contains.

XYZ(46.7121, 56.9494, 69.5031)	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(46.7121, 56.9494,
69.5031)**

Conversions

Conversions Part 1

Format	Color
Hex	93D2D2
RGB	147, 210, 210
RGB Percent	58%, 82%, 82%
CMY	0.4235, 0.1765, 0.1765
CMYK	0.30, 0.00, 0.00, 0.18
HSL	180°, 41%, 70%
HSV	180°, 30%, 82%
XYZ	46.7121, 56.9494, 69.5031
YIQ	191.1630, -37.5480, -13.3560

Conversions

Conversions Part 2

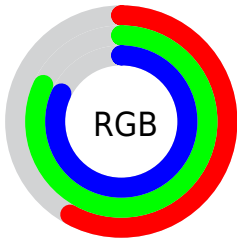
Format	Color
RYB	147, 179, 210
Decimal	9687762
CIELab	80.15, -19.87, -6.43
CIELCh	80, 20.879, 197.927
Yxy	56.9494, 0.2698, 0.3289
Android (android.graphics.Color)	4287877842 (0xFF93D2D2)
YUV	191.1630, 9.2866, -38.7310
Hunter-Lab	75.4648, -21.5734, -1.7807

Details

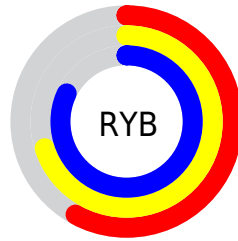
The XYZ color **46.7121, 56.9494, 69.5031** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **42.2806, 36.6773, 32.4570**, and the grayscale version is **49.5806, 52.1626, 56.8051**.

A 20% lighter version of the original color is **78.4386, 91.4365, 108.1226**, and **22.2363, 28.1701, 35.7179** is the 20% darker color. If you saturate the color by 10%, you get **43.2851, 55.1841, 69.3434**, and if you desaturate by 10%, it is **50.8299, 59.0736, 69.6976**.

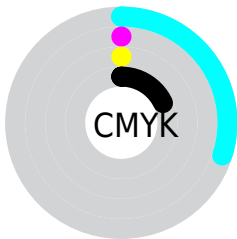
Distribution



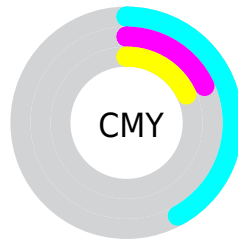
- Red (58%)
- Green (82%)
- Blue (82%)



- Red (58%)
- Yellow (70%)
- Blue (82%)



- Cyan (30%)
- Magenta (0%)
- Yellow (0%)
- Black (18%)





- Cyan (42%)
- Magenta (18%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.7121, 56.9494, 69.5031 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 46.7121, 56.9494, 69.5031 by changing the saturation by 10% instead.


 46.7121, 56.9494,
69.5031


 46.7121, 56.9494,
69.5031


364.3323,
413.2597, 477.5453

 33.0151, 40.9646,
50.6472


 84.5051, 100.3914,
120.1743

 22.2973, 28.2914,
35.5532

 109.3318,
128.6173, 152.8268

 14.1933, 18.5455,
23.8023


138.5991,
161.6925, 190.9152

 8.3379, 11.3423,
14.9762

172.6724,
200.0012, 234.8581

 4.3655, 6.2976,
8.6563

211.9170,
243.9279, 285.0740

 1.9109, 3.0269,
4.4239

256.6983,

 0.5832, 1.1458,

293.8569, 341.9815

1.8607

307.3816,
350.1727, 405.9990

■ 0.0000, 0.0167,
0.4675

■ 0.0000, 0.0000,
0.0000

■ 46.7121, 56.9494,
69.5031

■ 46.7121, 56.9494,
69.5031

■ 43.2851, 55.1841,
69.3434

■ 50.8299, 59.0736,
69.6976

■ 40.5064, 53.7517,
69.2128

■ 55.6680, 61.5677,
69.9246

■ 38.3366, 52.6331,
69.1107

■ 61.2605, 64.4507,
70.1868

■ 36.7302, 51.8050,
69.0350

■ 67.6375, 67.7382,
70.4858

35.6350, 51.2404,
68.9832

74.8278, 71.4449,
70.8229

34.9893, 50.9075,
68.9524

75.9212, 72.0086,
70.8746

34.6799, 50.7481,
68.9374

75.9213, 72.0087,
70.8751

34.6799, 50.7481,
68.9374

75.9215, 72.0087,
70.8757

75.9216, 72.0087,
70.8762

Harmonies

Analogous

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



46.5164, 56.9494, 57.2357



46.7121, 56.9494, 69.5031



48.8298, 56.9494, 81.0764

Triad

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



46.7121, 56.9494, 69.5031



60.4312, 56.9494, 79.0701



55.8579, 56.9494, 41.8029

Complementary

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



46.7121, 56.9494, 69.5031



42.2806, 36.6773, 32.4570

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.



59.7977, 56.9494, 46.1920



46.7121, 56.9494, 69.5031



62.5293, 56.9494, 67.0390

Square

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



46.7121, 56.9494, 69.5031



56.6861, 56.9494, 87.0783



62.2915, 56.9494, 55.0725



51.6494, 56.9494, 42.2808

Rectangle

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



46.7121, 56.9494, 69.5031



51.1122, 56.9494, 86.3533



62.2915, 56.9494, 55.0725



57.2616, 56.9494, 42.7315

Sweetspot

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



46.7138, 56.9517, 69.5044



87.1048, 95.9041, 108.5274



40.5366, 54.5027, 35.9886



18.3888, 20.3959, 23.2174



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.



46.7138, 56.9517, 69.5044



68.9547, 86.5474, 107.6757



39.8978, 43.3192, 67.2340



12.1584, 13.4071, 15.1906



21.1533, 30.9543, 42.0491



1.1828, 1.7308, 2.3512

Inverse Universe

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



42.2806, 36.6773, 32.4570



61.0019, 50.1771, 41.2161



47.6580, 47.4326, 34.2486



11.8088, 11.8083, 12.2690



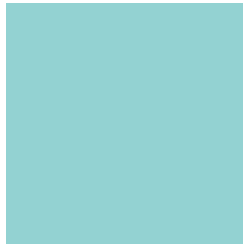
16.2124, 8.3578, 0.7589



0.9065, 0.4673, 0.0425

Previews

White Background



This preview shows how the XYZ color 46.7121, 56.9494, 69.5031 looks on a white background.

Color Contrast Check

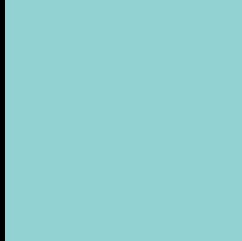
Large Text (above 18pt) WCAG AA × Fail

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 46.7121, 56.9494, 69.5031 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

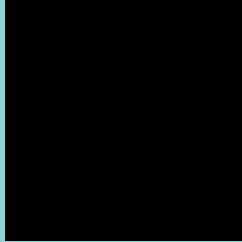
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.7121, 56.9494, 69.5031

Background



This preview shows how black text looks on a background with the XYZ color 46.7121, 56.9494, 69.5031.



This preview shows how white text looks on a background with the XYZ color 46.7121, 56.9494,

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

46.7121, 56.9494, 69.5031

Protanopia

54.4463, 56.4761, 63.9085

Deuteranopia

57.5656, 56.2560, 71.4428



Tritanopia

48.5881, 56.9776, 78.9579

Trichromacy



Original Color

46.7121, 56.9494, 69.5031

Protanomaly

51.1960, 56.4726, 65.9596

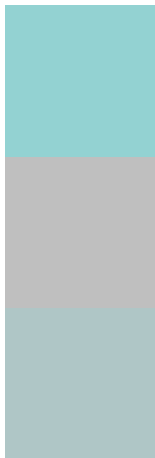
Deuteranomaly

52.9272, 56.2157, 71.0120

Tritanomaly

47.9811, 57.1050, 75.5113

Monochromacy



Original Color

46.7121, 56.9494, 69.5031

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

48.0663, 53.5793, 61.2346

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.7121, 56.9494, 69.5031 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(147, 210, 210)` looks like.

```
.text, #text, p{  
    color:rgb(147, 210, 210)  
}
```

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(147, 210, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 210, 210) }
```

Border

The CSS property to change the border of an element to XYZ 46.7121, 56.9494, 69.5031 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(147, 210, 210) }
```


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

```
.border{ border-color:rgb(147, 210, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 210, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(147, 210, 210); -webkit-box-shadow:4px 4px 4px 4px rgb(147, 210, 210); box-shadow:4px 4px 4px 4px rgb(147, 210, 210) }
```

Background

The CSS property to change the background color of an element to XYZ 46.7121, 56.9494, 69.5031 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 210, 210) }
```

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

```
.background{ background-color: rgb(147,  
210, 210) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor