

Converting Colors

XYZ(49.6019, 68.9127, 87.0050)

Have a look what the booklet for
XYZ(49.6019, 68.9127, 87.0050)
contains.

XYZ(49.5690, 68.8275, 87.0164)	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(49.5690, 68.8275,
87.0164)**

Conversions

Conversions Part 1

Format	Color
Hex	5FEDE8
RGB	95, 237, 232
RGB Percent	37%, 93%, 91%
CMY	0.6274, 0.0706, 0.0902
CMYK	0.60, 0.00, 0.02, 0.07
HSL	178°, 80%, 65%
HSV	178°, 60%, 93%
XYZ	49.5690, 68.8275, 87.0164
YIQ	193.9720, -83.0270, -31.6590

Conversions

Conversions Part 2

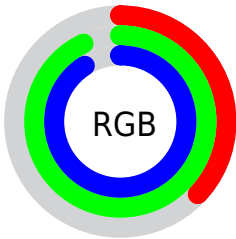
Format	Color
RYB	95, 167, 237
Decimal	6286824
CIELab	86.42, -39.00, -9.02
CIELCh	86, 40.024, 193.018
Yxy	68.8275, 0.2413, 0.3351
Android (android.graphics.Color)	4284476904 (0xFF5FEDE8)
YUV	193.9720, 18.7478, -86.7984
Hunter-Lab	82.9623, -38.5325, -4.1136

Details

The XYZ color **49.5690, 68.8275, 87.0164** 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 **41.3198, 27.1111, 15.1141**, and the grayscale version is **51.1915, 53.8574, 58.6508**.

A 20% lighter version of the original color is **68.1081, 86.1109, 107.6391**, and **24.3603, 36.1823, 46.7743** is the 20% darker color. If you saturate the color by 10%, you get **47.3537, 67.7007, 86.2966**, and if you desaturate by 10%, it is **52.5376, 70.3457, 87.7775**.

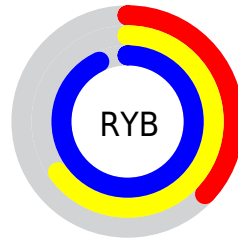
Distribution



Red (37%)

Green (93%)

Blue (91%)



Red (37%)

Yellow (65%)

Blue (93%)

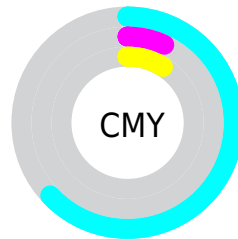


Cyan (60%)

Magenta (0%)

Yellow (2%)

Black (7%)



Cyan (63%)


Magenta (7%)


Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.5690, 68.8275, 87.0164 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 49.5690, 68.8275, 87.0164 by changing the saturation by 10% instead.


 49.5690, 68.8275,
87.0164


 49.5690, 68.8275,
87.0164


375.4580,
456.4223, 538.5944

 35.2875, 50.5712,
64.9491


 88.7316, 117.5352,
145.0861

 24.0519, 35.8675,
46.9687


 114.3434,
148.7553, 181.9255

 15.4971, 24.3319,
32.6567


 144.4626,
185.0656, 224.5260

 9.2576, 15.5800,
21.5947

 179.4546,
226.8504, 273.3062

 4.9680, 9.2274,
13.3639

219.6848,
274.4941, 328.6846

 2.2631, 4.8898,
7.5459

265.5186,

 0.7757, 2.1828,

328.3810, 391.0797

3.7222

317.3212,
388.8956, 460.9101

■ 0.0000, 0.7106,
1.4742

■ 0.0000, 0.0000,
0.1986

■ 49.5690, 68.8275,
87.0164

■ 49.5690, 68.8275,
87.0164

■ 47.3537, 67.7007,
86.2966

■ 52.5376, 70.3457,
87.7775

■ 45.8153, 66.9213,
85.6098


■ 56.3148, 72.2791,
88.5778


■ 44.8721, 66.4486,
84.9539


■ 60.9580, 74.6589,
89.4216


■ 44.3836, 66.2102,
84.3222


■ 66.5174, 77.5110,
90.3113


 44.3800, 66.2085,
84.3167

 73.0396, 80.8593,
91.2489

 80.5679, 84.7262,
92.2366

 86.9353, 87.9946,
93.1730

 87.0582, 88.0437,
93.8200

 87.1816, 88.0931,
94.4701

Harmonies

Analogous

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



49.8342, 68.8275, 61.0219



49.5690, 68.8275, 87.0164



53.2527, 68.8275, 115.3594

Triad

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



49.5690, 68.8275, 87.0164



78.3237, 68.8275, 118.7137



70.7540, 68.8275, 36.0068

Complementary

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



49.5690, 68.8275, 87.0164



41.3198, 27.1111, 15.1141

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.



79.3090, 68.8275, 45.2751



49.5690, 68.8275, 87.0164



83.9539, 68.8275, 90.8315

Square

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



49.5690, 68.8275, 87.0164



69.5090, 68.8275, 136.3604



84.3305, 68.8275, 64.0387



61.4917, 68.8275, 35.4501

Rectangle

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



49.5690, 68.8275, 87.0164



57.6732, 68.8275, 130.1425



84.3305, 68.8275, 64.0387



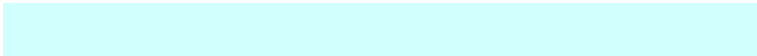
73.8279, 68.8275, 38.0851

Sweetspot

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



49.5710, 68.8301, 87.0180



79.8735, 92.2062, 106.8366



37.8428, 64.2280, 21.2308



16.6480, 19.5059, 22.7999



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.



49.5710, 68.8301, 87.0180



55.4140, 79.6852, 101.7007



34.9704, 38.4754, 85.7070



15.4934, 17.1122, 19.2811



24.2397, 36.1504, 46.0889



1.9106, 2.8416, 3.6570

Inverse Universe

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



41.3198, 27.1111, 15.1141



44.8892, 26.3657, 9.9061



49.3741, 43.5953, 16.6406



15.0870, 15.0626, 15.7433



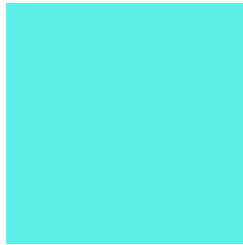
19.1027, 9.8438, 1.0764



1.5076, 0.7760, 0.1245

Previews

White Background



This preview shows how the XYZ color 49.5690, 68.8275, 87.0164 looks on a white background.

Color Contrast Check

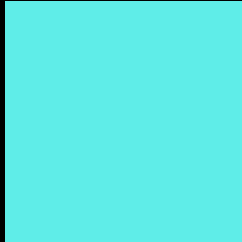
Large Text (above 18pt) WCAG AA × Fail

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 49.5690, 68.8275, 87.0164 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 49.5690, 68.8275, 87.0164

Background



This preview shows how black text looks on a background with the XYZ color 49.5690, 68.8275, 87.0164.

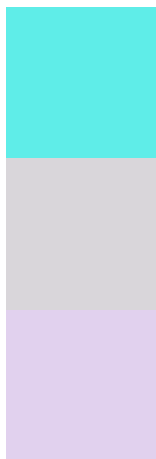


This preview shows how white text looks on a background with the XYZ color 49.5690, 68.8275,

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

49.5690, 68.8275, 87.0164

Protanopia

65.3167, 67.9068, 75.9944

Deuteranopia

69.2844, 67.7815, 90.3204



Tritanopia

52.8614, 68.8805, 103.4377

Trichromacy



Original Color

49.5690, 68.8275, 87.0164



Protanomaly

56.6741, 66.4545, 79.6520



Deuteranomaly

58.8319, 66.1841, 89.0309



Tritanomaly

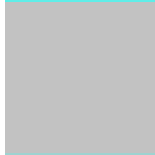
51.5566, 68.7759, 96.9440

Monochromacy



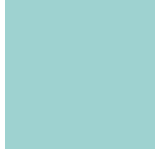
Original Color

49.5690, 68.8275, 87.0164



Achromatopsia

51.2775, 53.9479, 58.7493



Achromatomaly

48.5323, 57.9164, 68.2956

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.5690, 68.8275, 87.0164 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(95, 237, 232)` looks like.

```
.text, #text, p{  
    color:rgb(95, 237, 232)  
}
```

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(95, 237, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 237, 232) }
```

Border

The CSS property to change the border of an element to XYZ 49.5690, 68.8275, 87.0164 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(95, 237, 232) }
```


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

```
.border{ border-color:rgb(95, 237, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 237, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 237, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 237, 232);  
box-shadow:4px 4px 4px 4px rgb(95, 237,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 49.5690, 68.8275, 87.0164 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 237, 232) }
```

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

```
.background{ background-color: rgb(95, 237,  
232) }
```

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