

Converting Colors

XYZ(49.0931, 70.1586, 87.6633)

Have a look what the booklet for
XYZ(49.0931, 70.1586, 87.6633)
contains.

XYZ(49.1627, 70.3565, 87.3329)	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(49.1627, 70.3565,
87.3329)**

Conversions

Conversions Part 1

Format	Color
Hex	4EF1E8
RGB	78, 241, 232
RGB Percent	31%, 95%, 91%
CMY	0.6941, 0.0549, 0.0902
CMYK	0.68, 0.00, 0.04, 0.05
HSL	177°, 85%, 63%
HSV	177°, 68%, 95%
XYZ	49.1627, 70.3565, 87.3329
YIQ	191.2370, -94.2590, -37.3550

Conversions

Conversions Part 2

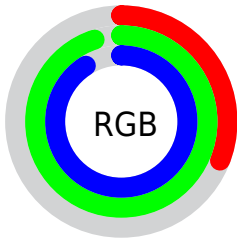
Format	Color
R_{YB}	78, 162, 241
Decimal	5173736
CIE _{Lab}	87.17, -43.34, -7.94
CIE _{LCh}	87, 44.065, 190.384
Yxy	70.3565, 0.2377, 0.3401
Android (android.graphics.Color)	4283363816 (0xFF4EF1E8)
YUV	191.2370, 20.0962, -99.3088
Hunter-Lab	83.8788, -42.1662, -3.0164

Details

The XYZ color **49.1627, 70.3565, 87.3329** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **40.7227, 24.8399, 11.6676**, and the grayscale version is **49.5875, 52.1699, 56.8130**.

A 20% lighter version of the original color is **65.8426, 84.9430, 107.5331**, and **24.9770, 37.4156, 46.9798** is the 20% darker color. If you saturate the color by 10%, you get **47.3502, 69.4455, 86.2663**, and if you desaturate by 10%, it is **51.7039, 71.6462, 88.4442**.

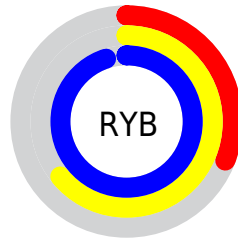
Distribution



Red (31%)

Green (95%)

Blue (91%)



Red (31%)

Yellow (64%)

Blue (95%)

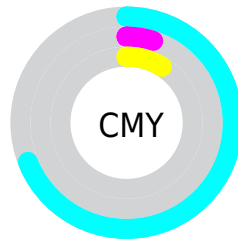


Cyan (68%)

Magenta (0%)

Yellow (4%)

Black (5%)



Cyan (69%)


Magenta (5%)


Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.1627, 70.3565, 87.3329 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 49.1627, 70.3565, 87.3329 by changing the saturation by 10% instead.

 49.1627, 70.3565,
87.3329


 49.1627, 70.3565,
87.3329


373.8888,
461.8007, 539.6607


 34.9636, 51.8172,
65.2095


 88.1323, 119.7170,
145.5310

 23.8012, 36.8594,
47.1786


 113.6336,
151.3070, 182.4428

 15.3102, 25.0987,
32.8215


 143.6329,
188.0161, 225.1213

 9.1251, 16.1506,
21.7197

 178.4958,
230.2286, 273.9848

 4.8806, 9.6308,
13.4548

218.5874,
278.3289, 329.4519

 2.2114, 5.1548,
7.6080

264.2732,

 0.7488, 2.3384,

332.7014, 391.9413

3.7610

315.9186,
393.7306, 461.8714

0.0000, 0.7939,
1.4952

0.0000, 0.0000,
0.2143

49.1627, 70.3565,
87.3329

49.1627, 70.3565,
87.3329

47.3502, 69.4455,
86.2663

51.7039, 71.6462,
88.4442

46.1766, 68.8621,
85.2355


55.0385, 73.3431,
89.5986


45.5326, 68.5515,
84.2369


59.2309, 75.4822,
90.8006


45.4174, 68.4972,
84.0032


64.3374, 78.0922,
92.0529

 70.4095, 81.1999,
93.3580

 77.4947, 84.8297,
94.7180

 85.6376, 89.0046,
96.1351

 88.8212, 90.6227,
97.3277

 89.0226, 90.7033,
98.3884

Harmonies

Analogous

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



49.8403, 70.3565, 59.0395



49.1627, 70.3565, 87.3329



52.8441, 70.3565, 119.7289

Triad

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



49.1627, 70.3565, 87.3329



80.5957, 70.3565, 128.6682



73.7696, 70.3565, 34.5199

Complementary

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



49.1627, 70.3565, 87.3329



40.7227, 24.8399, 11.6676

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.



83.1851, 70.3565, 45.3239



49.1627, 70.3565, 87.3329



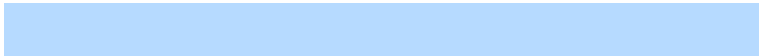
87.3986, 70.3565, 97.3518

Square

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



49.1627, 70.3565, 87.3329



70.5192, 70.3565, 147.3568



88.3922, 70.3565, 66.7960



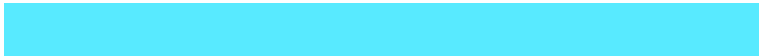
63.3523, 70.3565, 33.1447

Rectangle

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



49.1627, 70.3565, 87.3329



57.5214, 70.3565, 137.5229



88.3922, 70.3565, 66.7960



77.1842, 70.3565, 37.0068

Sweetspot

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



49.1648, 70.3592, 87.3346



78.2616, 91.3973, 105.7644



36.9398, 65.5807, 17.9209



16.3269, 19.3456, 22.5480



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.



49.1648, 70.3592, 87.3346



53.2675, 78.6663, 97.6404



33.4651, 36.8607, 88.5730



16.2075, 17.9130, 20.1154



24.6449, 37.1500, 45.6406



2.0617, 3.0951, 3.8571

Inverse Universe

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



40.7227, 24.8399, 11.6676



43.1273, 23.7356, 6.5636



48.3430, 40.6329, 12.5045



15.8082, 15.7730, 16.5461



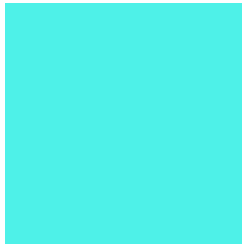
19.7270, 10.1632, 1.2132



1.6535, 0.8504, 0.1660

Previews

White Background



This preview shows how the XYZ color 49.1627, 70.3565, 87.3329 looks on a white background.

Color Contrast Check

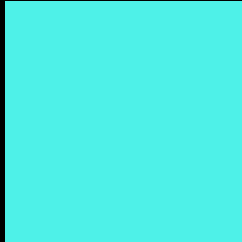
Large Text (above 18pt) WCAG AA × Fail

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 49.1627, 70.3565, 87.3329 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

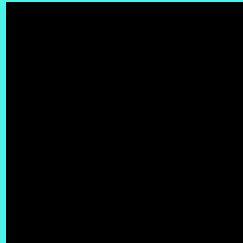
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.1627, 70.3565, 87.3329

Background



This preview shows how black text looks on a background with the XYZ color 49.1627, 70.3565, 87.3329.

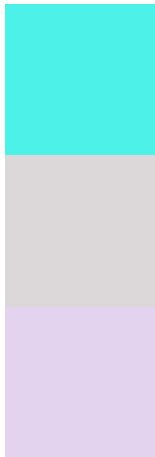


This preview shows how white text looks on a background with the XYZ color 49.1627, 70.3565,

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

49.1627, 70.3565, 87.3329

Protanopia

66.3400, 68.8263, 75.4339

Deuteranopia

70.5528, 69.1514, 91.2904



Tritanopia

53.3010, 69.9202, 105.2944

Trichromacy



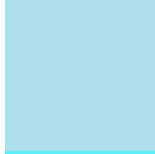
Original Color

49.1627, 70.3565, 87.3329



Protanomaly

55.9889, 66.9101, 79.0712



Deuteranomaly

58.4952, 67.1829, 89.2415



Tritanomaly

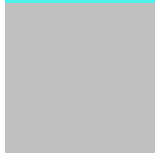
51.7767, 70.1398, 98.8051

Monochromacy



Original Color

49.1627, 70.3565, 87.3329



Achromatopsia

49.5206, 52.0996, 56.7364



Achromatomaly

46.5187, 56.5412, 66.8543

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.1627, 70.3565, 87.3329 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(78, 241, 232)` looks like.

```
.text, #text, p{  
    color:rgb(78, 241, 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(78, 241, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 241, 232) }
```

Border

The CSS property to change the border of an element to XYZ 49.1627, 70.3565, 87.3329 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(78, 241, 232) }
```


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

```
.border{ border-color:rgb(78, 241, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 241, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 241, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 241, 232);  
box-shadow:4px 4px 4px 4px rgb(78, 241,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 49.1627, 70.3565, 87.3329 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 241, 232) }
```

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

```
.background{ background-color: rgb(78, 241,  
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](#).

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