

Converting Colors

XYZ(49.1585, 75.4661, 61.2702)

Have a look what the booklet for
XYZ(49.1585, 75.4661, 61.2702)
contains.

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Color

**XYZ(49.1567, 75.4653,
61.2656)**

Conversions

Conversions Part 1

Format	Color
Hex	64FBBF
RGB	100, 251, 191
RGB Percent	39%, 98%, 75%
CMY	0.6078, 0.0157, 0.2510
CMYK	0.60, 0.00, 0.24, 0.02
HSL	156°, 95%, 69%
HSV	156°, 60%, 98%
XYZ	49.1567, 75.4653, 61.2656
YIQ	199.0110, -70.7360, -50.6720

Conversions

Conversions Part 2

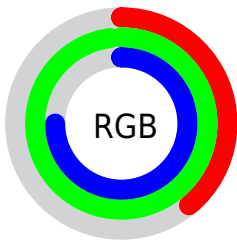
Format	Color
RYB	100, 194, 251
Decimal	6618047
CIELab	89.61, -53.87, 16.97
CIELCh	90, 56.483, 162.512
Yxy	75.4653, 0.2644, 0.4060
Android (android.graphics.Color)	4284808127 (0xFF64FBBF)
YUV	199.0110, -3.9494, -86.8326
Hunter-Lab	86.8708, -51.0178, 18.9953

Details

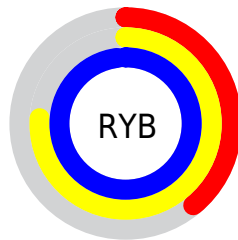
The XYZ color **49.1567, 75.4653, 61.2656** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **50.6885, 32.1635, 36.7973**, and the grayscale version is **54.3491, 57.1795, 62.2684**.

A 20% lighter version of the original color is **67.6528, 86.0219, 101.0339**, and **23.6729, 39.9912, 30.1383** is the 20% darker color. If you saturate the color by 10%, you get **45.7360, 73.8264, 55.5705**, and if you desaturate by 10%, it is **53.5111, 77.5808, 67.3979**.

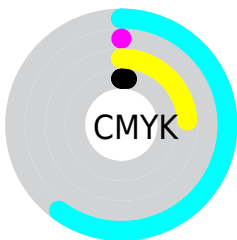
Distribution



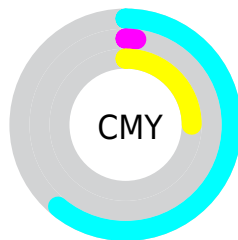
- Red (39%)
- Green (98%)
- Blue (75%)



- Red (39%)
- Yellow (76%)
- Blue (98%)



- Cyan (60%)
- Magenta (0%)
- Yellow (24%)
- Black (2%)





- Cyan (61%)
- Magenta (2%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.1567, 75.4653, 61.2656 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 49.1567, 75.4653, 61.2656 by changing the saturation by 10% instead.


 49.1567, 75.4653,
61.2656


 49.1567, 75.4653,
61.2656


373.8656,
479.5153, 447.1807


 34.9588, 55.9942,
44.0076


 88.1235, 126.9708,
108.2247

 23.7975, 40.1982,
30.3392


 113.6231,
159.7739, 138.7629

 15.3074, 27.6931,
19.8420


 143.6207,
197.7899, 174.5648

 9.1231, 18.0945,
12.0973

178.4816,
241.4030, 216.0491

 4.8793, 11.0178,
6.6866

218.5712,
290.9977, 263.6343

 2.2107, 6.0788,
3.1914

264.2548,

 0.7484, 2.8931,

346.9584, 317.7390

1.1932

315.8979,
409.6695, 378.7816

■ 0.0000, 1.0762,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 49.1567, 75.4653,
61.2656

■ 49.1567, 75.4653,
61.2656

■ 45.7360, 73.8264,
55.5705

■ 53.5111, 77.5808,
67.3979

■ 43.1601, 72.6125,
50.2959

■ 58.8656, 80.2012,
73.9731


■ 41.3322, 71.7760,
45.4309


■ 65.2874, 83.3628,
81.0033

■ 40.1059, 71.2400,
41.0275

■ 72.8360, 87.0962,
88.4984

 81.5661, 91.4294,
96.4678

 91.5291, 96.3887,
104.9207

 93.7885, 97.4771,
108.4795

Harmonies

Analogous

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



55.1559, 75.4653, 37.7091



49.1567, 75.4653, 61.2656



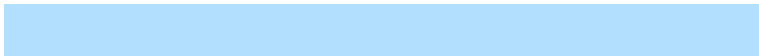
48.6918, 75.4653, 99.8727

Triad

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



49.1567, 75.4653, 61.2656



77.6686, 75.4653, 181.7073



93.2639, 75.4653, 40.5718

Complementary

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



49.1567, 75.4653, 61.2656



50.6885, 32.1635, 36.7973

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.



101.0780, 75.4653, 66.6915



49.1567, 75.4653, 61.2656



91.3247, 75.4653, 152.4059

Square

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



49.1567, 75.4653, 61.2656



63.9994, 75.4653, 178.8062



100.3257, 75.4653, 107.3562



80.0539, 75.4653, 28.6869

Rectangle

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



49.1567, 75.4653, 61.2656



51.4858, 75.4653, 130.5002



100.3257, 75.4653, 107.3562



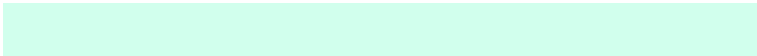
96.6809, 75.4653, 47.5417

Sweetspot

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



49.1587, 75.4683, 61.2673



77.3339, 91.1904, 93.4633



51.3772, 77.4326, 24.2958



16.0220, 19.2555, 19.5034



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.



49.1587, 75.4683, 61.2673



46.8360, 76.2540, 56.5296



52.6372, 69.6107, 101.9323



17.4567, 19.4849, 20.6054



21.1543, 37.4747, 21.9537



2.0115, 3.4917, 2.3085

Inverse Universe

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



50.6885, 32.1635, 36.7973



48.5801, 27.8421, 29.3422



48.2283, 33.7155, 16.0235



17.5303, 17.3395, 19.3823



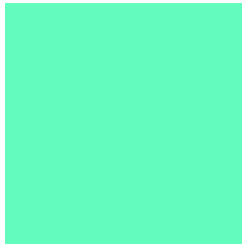
22.1813, 11.2883, 7.6633



2.1050, 1.0657, 0.9764

Previews

White Background



This preview shows how the XYZ color 49.1567, 75.4653, 61.2656 looks on a white background.

Color Contrast Check

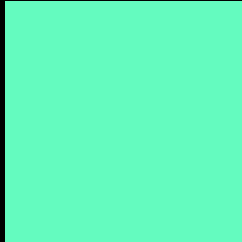
Large Text (above 18pt) WCAG AA × Fail

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 49.1567, 75.4653, 61.2656 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 49.1567, 75.4653, 61.2656

Background



This preview shows how black text looks on a background with the XYZ color 49.1567, 75.4653, 61.2656.



This preview shows how white text looks on a background with the XYZ color 49.1567, 75.4653,

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

49.1567, 75.4653, 61.2656

Protanopia

69.6835, 74.1668, 52.7624

Deuteranopia

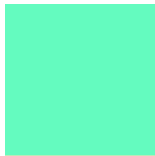
75.4823, 73.7952, 64.2984



Tritanopia

61.1292, 75.2489, 105.9104

Trichromacy



Original Color

49.1567, 75.4653, 61.2656



Protanomaly

58.4252, 72.3881, 55.6927



Deuteranomaly

60.9959, 71.4781, 62.8064



Tritanomaly

55.9762, 74.7527, 87.8224

Monochromacy



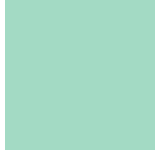
Original Color

49.1567, 75.4653, 61.2656



Achromatopsia

54.2854, 57.1125, 62.1955



Achromatomaly

50.1395, 61.9149, 61.5327

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.1567, 75.4653, 61.2656 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(100, 251, 191)` looks like.

```
.text, #text, p{  
    color:rgb(100, 251, 191)  
}
```

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(100, 251, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 251, 191) }
```

Border

The CSS property to change the border of an element to XYZ 49.1567, 75.4653, 61.2656 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(100, 251, 191) }
```


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

```
.border{ border-color:rgb(100, 251, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 251, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 251, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 251, 191);  
box-shadow:4px 4px 4px 4px rgb(100, 251,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 49.1567, 75.4653, 61.2656 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 251, 191) }
```

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

```
.background{ background-color: rgb(100,  
251, 191) }
```

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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