

Converting Colors

XYZ(47.6685, 76.9164, 46.0310)

Have a look what the booklet for
XYZ(47.6685, 76.9164, 46.0310)
contains.

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Color

**XYZ(47.6725, 76.9180,
46.0523)**

Conversions

Conversions Part 1

Format	Color
Hex	66FFA1
RGB	102, 255, 161
RGB Percent	40%, 100%, 63%
CMY	0.6000, 0.0000, 0.3686
CMYK	0.60, 0.00, 0.37, 0.00
HSL	143°, 100%, 70%
HSV	143°, 60%, 100%
XYZ	47.6725, 76.9180, 46.0523
YIQ	198.5370, -61.0140, -61.6700

Conversions

Conversions Part 2

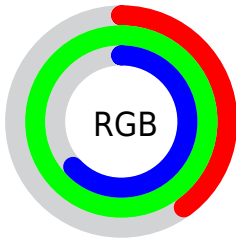
Format	Color
RYB	102, 212, 255
Decimal	6750113
CIELab	90.28, -60.86, 33.12
CIELCh	90, 69.285, 151.443
Yxy	76.9180, 0.2794, 0.4508
Android (android.graphics.Color)	4284940193 (0xFF66FFA1)
YUV	198.5370, -18.5057, -84.6629
Hunter-Lab	87.7029, -56.4532, 30.2592

Details

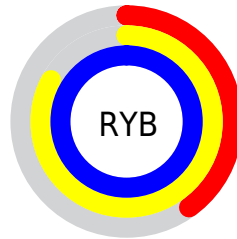
The XYZ color **47.6725, 76.9180, 46.0523** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **55.9554, 34.7487, 55.9823**, and the grayscale version is **54.1394, 56.9588, 62.0282**.

A 20% lighter version of the original color is **63.6717, 84.4772, 77.9156**, and **22.8390, 41.1008, 20.9169** is the 20% darker color. If you saturate the color by 10%, you get **43.9174, 75.1319, 39.1115**, and if you desaturate by 10%, it is **52.4903, 79.2318, 53.9491**.

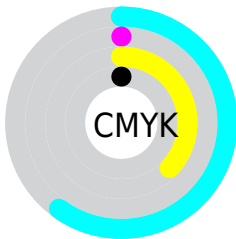
Distribution



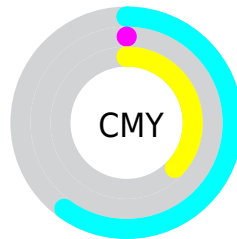
- Red (40%)
- Green (100%)
- Blue (63%)



- Red (40%)
- Yellow (83%)
- Blue (100%)



- Cyan (60%)
- Magenta (0%)
- Yellow (37%)
- Black (0%)




- Cyan (60%)
- Magenta (0%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.6725, 76.9180, 46.0523 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 47.6725, 76.9180, 46.0523 by changing the saturation by 10% instead.


 47.6725, 76.9180,
46.0523


 47.6725, 76.9180,
46.0523


368.0968,
484.4844, 387.3026


 33.7778, 57.1856,
31.9381


 85.9292, 129.0237,
85.6324

 22.8850, 41.1543,
21.0498


 111.0220,
162.1658, 111.9354

 14.6289, 28.4396,
12.9688


 140.5781,
200.5466, 143.1384

 8.6439, 18.6573,
7.2766

174.9629,
244.5504, 179.6599

 4.5649, 11.4229,
3.5546

214.5419,
294.5617, 221.9186

 2.0264, 6.3521,
1.3843

259.6802,

 0.6487, 3.0603,

350.9649, 270.3329

0.1295

310.7434,
414.1443, 325.3214

0.0000, 1.1633,
0.0000

0.0000, 0.0314,
0.0000

47.6725, 76.9180,
46.0523

47.6725, 76.9180,
46.0523

43.9174, 75.1319,
39.1115

52.4903, 79.2318,
53.9491

41.1325, 73.8267,
33.0852

58.4490, 82.1132,
62.8332

39.2109, 72.9481,
27.9344

65.6210, 85.5987,
72.7395

37.9806, 72.4082,
23.6133

74.0721, 89.7216,
83.6995

■ 37.9805, 72.4082,
23.6129

■ 83.8632, 94.5126,
95.7438

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



57.1344, 76.9180, 26.0360



47.6725, 76.9180, 46.0523



44.7095, 76.9180, 86.1655

Triad

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



47.6725, 76.9180, 46.0523



73.9467, 76.9180, 219.1338



105.2161, 76.9180, 43.3271

Complementary

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



47.6725, 76.9180, 46.0523



55.9554, 34.7487, 55.9823

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.



111.5337, 76.9180, 81.3813



47.6725, 76.9180, 46.0523



91.8123, 76.9180, 193.7525

Square

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



47.6725, 76.9180, 46.0523



58.3706, 76.9180, 197.9668



106.2843, 76.9180, 137.8644



90.1387, 76.9180, 24.9537

Rectangle

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



47.6725, 76.9180, 46.0523



46.3764, 76.9180, 123.5000



106.2843, 76.9180, 137.8644



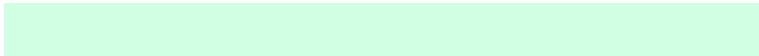
108.5323, 76.9180, 53.6015

Sweetspot

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



47.6730, 76.9182, 46.0536



75.9204, 90.6249, 86.0196



61.0147, 84.2622, 25.6194



15.6780, 19.1179, 17.6920



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.



47.6730, 76.9182, 46.0536



43.2856, 74.8338, 37.8336



56.5478, 80.4681, 92.7874



18.0615, 20.2841, 20.6267



19.9130, 37.8618, 12.6933



1.9903, 3.7071, 1.5070

Inverse Universe

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



55.9554, 34.7487, 55.9823



52.1913, 29.2865, 48.3586



49.3728, 32.1157, 21.3190



18.4784, 18.1747, 21.1365



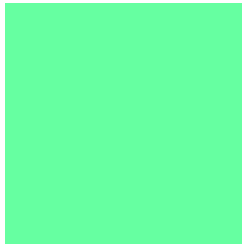
24.7891, 12.4049, 18.0715



2.4671, 1.2292, 2.0411

Previews

White Background



This preview shows how the XYZ color 47.6725, 76.9180, 46.0523 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 47.6725, 76.9180, 46.0523 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

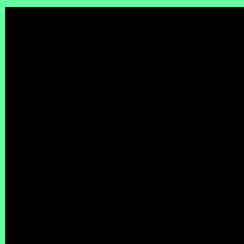
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

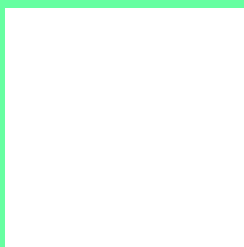
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.6725, 76.9180, 46.0523

Background



This preview shows how black text looks on a background with the XYZ color 47.6725, 76.9180, 46.0523.

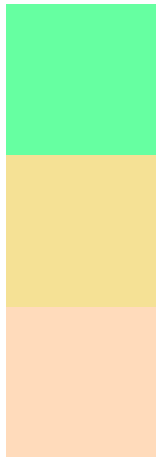


This preview shows how white text looks on a background with the XYZ color 47.6725, 76.9180,

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

47.6725, 76.9180, 46.0523

Protanopia

70.0062, 75.4328, 39.3040

Deuteranopia

75.5412, 75.5109, 57.6073



Tritanopia

63.0171, 76.2221, 105.9987

Trichromacy



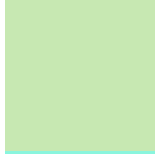
Original Color

47.6725, 76.9180, 46.0523



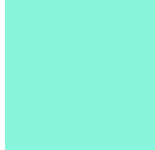
Protanomaly

57.7375, 73.6283, 41.3056



Deuteranomaly

60.4457, 73.0697, 53.0375



Tritanomaly

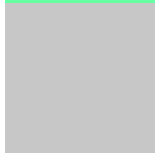
56.1848, 75.9285, 80.1010

Monochromacy



Original Color

47.6725, 76.9180, 46.0523



Achromatopsia

54.2854, 57.1125, 62.1955



Achromatomaly

49.3983, 62.0583, 55.2738

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.6725, 76.9180, 46.0523 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(102, 255, 161)` looks like.

```
.text, #text, p{  
    color:rgb(102, 255, 161)  
}
```

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(102, 255, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 255, 161) }
```

Border

The CSS property to change the border of an element to XYZ 47.6725, 76.9180, 46.0523 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(102, 255, 161) }
```


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

```
.border{ border-color:rgb(102, 255, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 255, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 255, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 255, 161);  
box-shadow:4px 4px 4px 4px rgb(102, 255,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 47.6725, 76.9180, 46.0523 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 255, 161) }
```

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

```
.background{ background-color: rgb(102,  
255, 161) }
```

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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