

Converting Colors

XYZ(46.2691, 76.1931, 46.0481)

Have a look what the booklet for
XYZ(46.2691, 76.1931, 46.0481)
contains.

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Color

**XYZ(46.2175, 76.1679,
45.9842)**

Conversions

Conversions Part 1

Format	Color
Hex	58FFA1
RGB	88, 255, 161
RGB Percent	35%, 100%, 63%
CMY	0.6549, 0.0000, 0.3686
CMYK	0.65, 0.00, 0.37, 0.00
HSL	146°, 100%, 67%
HSV	146°, 65%, 100%
XYZ	46.2175, 76.1679, 45.9842
YIQ	194.3510, -69.3580, -64.6380

Conversions

Conversions Part 2

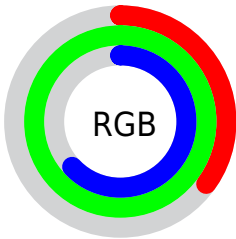
Format	Color
RYB	88, 204, 255
Decimal	5832609
CIELab	89.94, -63.44, 32.60
CIELCh	90, 71.329, 152.807
Yxy	76.1679, 0.2745, 0.4524
Android (android.graphics.Color)	4284022689 (0xFF58FFA1)
YUV	194.3510, -16.4420, -93.2698
Hunter-Lab	87.2742, -58.2023, 29.8525

Details

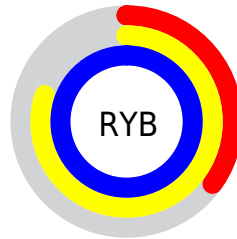
The XYZ color **46.2175, 76.1679, 45.9842** is a light color, and the websafe version is hex **66FF99**. The color can be described as light muted spring green. A complement of this color would be **53.1735, 31.6173, 47.5563**, and the grayscale version is **51.6101, 54.2979, 59.1304**.

A 20% lighter version of the original color is **61.4811, 83.3479, 77.8131**, and **22.6730, 41.0152, 20.9091** is the 20% darker color. If you saturate the color by 10%, you get **43.0173, 74.6561, 39.6027**, and if you desaturate by 10%, it is **50.4078, 78.1733, 53.1731**.

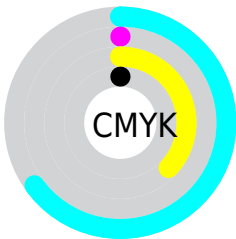
Distribution



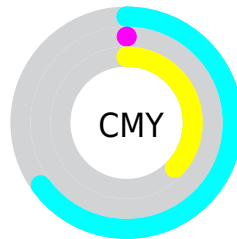
- Red (35%)
- Green (100%)
- Blue (63%)



- Red (35%)
- Yellow (80%)
- Blue (100%)



- Cyan (65%)
- Magenta (0%)
- Yellow (37%)
- Black (0%)





- Cyan (65%)
- Magenta (0%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.2175, 76.1679, 45.9842 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 46.2175, 76.1679, 45.9842 by changing the saturation by 10% instead.


 46.2175, 76.1679,
45.9842


 46.2175, 76.1679,
45.9842

362.3837,
481.9223, 387.0209


 32.6228, 56.5702,
31.8848


 83.7703, 127.9642,
85.5294


 21.9955, 40.6603,
21.0094


 108.4591,
160.9316, 111.8122

 13.9702, 28.0537,
12.9396


 137.5767,
199.1244, 142.9933

 8.1815, 18.3662,
7.2567

 171.4884,
242.9269, 179.4911

 4.2641, 11.2132,
3.5423

210.5596,
292.7235, 221.7243

 1.8526, 6.2104,
1.3778

255.1557,

 0.5491, 2.9734,

348.8987, 270.1112

0.1243

305.6419,
411.8368, 325.0706

■ 0.0000, 1.1179,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 46.2175, 76.1679,
45.9842

■ 46.2175, 76.1679,
45.9842

■ 43.0173, 74.6561,
39.6027

■ 50.4078, 78.1733,
53.1731

■ 40.7082, 73.5874,
33.9946

■ 55.6704, 80.7142,
61.1939

■ 39.1714, 72.9013,
29.1287

■ 62.0804, 83.8287,
70.0744

■ 38.6551, 72.6781,
27.1655

■ 69.7053, 87.5513,
79.8402

■ 78.6072, 91.9133,
90.5154

■ 88.8439, 96.9442,
102.1236

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.



55.5256, 76.1679, 25.1411



46.2175, 76.1679, 45.9842



43.5216, 76.1679, 87.7831

Triad

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



46.2175, 76.1679, 45.9842



74.0693, 76.1679, 222.7543



104.8182, 76.1679, 40.6437

Complementary

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



46.2175, 76.1679, 45.9842



53.1735, 31.6173, 47.5563

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.



111.8427, 76.1679, 78.2666



46.2175, 76.1679, 45.9842



92.3764, 76.1679, 194.3374

Square

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



46.2175, 76.1679, 45.9842



57.9716, 76.1679, 202.8523



106.9587, 76.1679, 135.7323



89.0325, 76.1679, 23.0547

Rectangle

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



46.2175, 76.1679, 45.9842



45.4086, 76.1679, 126.5851



106.9587, 76.1679, 135.7323



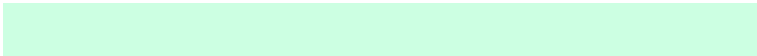
108.3886, 76.1679, 50.6850

Sweetspot

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



46.2180, 76.1682, 45.9855



74.4297, 89.8645, 85.5857



56.9632, 82.2472, 22.1062



15.4028, 18.9759, 17.6817



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.



46.2180, 76.1682, 45.9855



42.1105, 74.2332, 37.5470



56.0937, 80.1184, 97.9900



18.1013, 20.3001, 20.8367



20.2700, 38.0046, 14.5732



2.0273, 3.7219, 1.7018

Inverse Universe

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



53.1735, 31.6173, 47.5563



49.5078, 26.6444, 39.0635



46.9886, 29.1434, 14.9872



18.4376, 18.1584, 20.9217



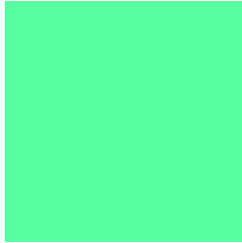
24.2369, 12.1840, 15.1638



2.4148, 1.2083, 1.7656

Previews

White Background



This preview shows how the XYZ color 46.2175, 76.1679, 45.9842 looks on a white background.

Color Contrast Check

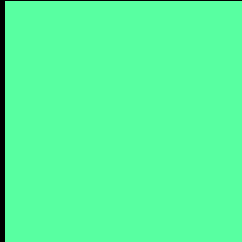
Large Text (above 18pt) WCAG AA × Fail

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 46.2175, 76.1679, 45.9842 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 46.2175, 76.1679, 45.9842

Background



This preview shows how black text looks on a background with the XYZ color 46.2175, 76.1679, 45.9842.



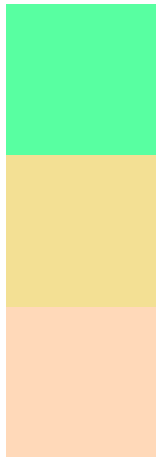
This preview shows how white text looks on a background with the XYZ color 46.2175, 76.1679,

45.9842.

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

46.2175, 76.1679, 45.9842

Protanopia

68.9631, 74.5041, 38.7630

Deuteranopia

74.8098, 74.3885, 56.3145



Tritanopia

61.6790, 75.5323, 105.9361

Trichromacy



Original Color

46.2175, 76.1679, 45.9842



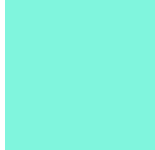
Protanomaly

55.9516, 72.2814, 41.1397



Deuteranomaly

58.6605, 71.7558, 51.8328



Tritanomaly

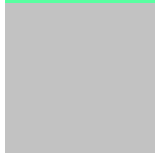
54.6056, 75.1145, 80.0271

Monochromacy



Original Color

46.2175, 76.1679, 45.9842



Achromatopsia

51.2775, 53.9479, 58.7493



Achromatomaly

46.5169, 59.4577, 53.2808

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.2175, 76.1679, 45.9842 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(88, 255, 161)` looks like.

```
.text, #text, p{  
    color:rgb(88, 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(88, 255, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 255, 161) }
```

Border

The CSS property to change the border of an element to XYZ 46.2175, 76.1679, 45.9842 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(88, 255, 161) }
```


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

```
.border{ border-color:rgb(88, 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(88, 255, 161) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 255, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 255, 161);  
box-shadow:4px 4px 4px 4px rgb(88, 255,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 46.2175, 76.1679, 45.9842 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 255, 161) }
```

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

```
.background{ background-color: rgb(88, 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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