

Converting Colors

XYZ(47.2658, 76.3603, 61.7586)

Have a look what the booklet for
XYZ(47.2658, 76.3603, 61.7586)
contains.

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Color

**XYZ(47.2139, 76.3383,
61.5366)**

Conversions

Conversions Part 1

Format	Color
Hex	3FFFBF
RGB	63, 255, 191
RGB Percent	25%, 100%, 75%
CMY	0.7529, 0.0000, 0.2510
CMYK	0.75, 0.00, 0.25, 0.00
HSL	160°, 100%, 62%
HSV	160°, 75%, 100%
XYZ	47.2139, 76.3383, 61.5366
YIQ	190.2960, -93.8880, -60.6080

Conversions

Conversions Part 2

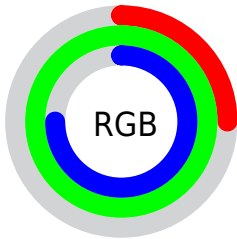
Format	Color
RYB	63, 178, 255
Decimal	4194239
CIELab	90.02, -60.98, 17.43
CIELCh	90, 63.422, 164.048
Yxy	76.3383, 0.2551, 0.4124
Android (android.graphics.Color)	4282384319 (0xFF3FFBF)
YUV	190.2960, 0.3471, -111.6386
Hunter-Lab	87.3718, -56.4429, 19.4019

Details

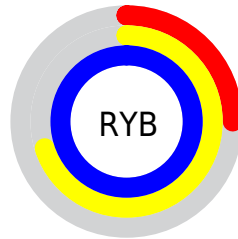
The XYZ color **47.2139, 76.3383, 61.5366** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed spring green. A complement of this color would be **46.8492, 26.3484, 22.6973**, and the grayscale version is **49.1521, 51.7118, 56.3142**.

A 20% lighter version of the original color is **62.8650, 83.5538, 100.8098**, and **24.4816, 41.7386, 30.4330** is the 20% darker color. If you saturate the color by 10%, you get **45.0368, 75.3210, 56.6933**, and if you desaturate by 10%, it is **50.2001, 77.7665, 66.7038**.

Distribution



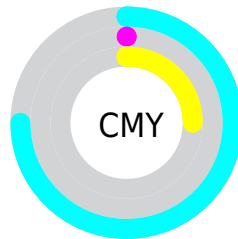
- Red (25%)
- Green (100%)
- Blue (75%)



- Red (25%)
- Yellow (70%)
- Blue (100%)



- Cyan (75%)
- Magenta (0%)
- Yellow (25%)
- Black (0%)





- Cyan (75%)
- Magenta (0%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.2139, 76.3383, 61.5366 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 47.2139, 76.3383, 61.5366 by changing the saturation by 10% instead.


 47.2139, 76.3383,
61.5366


 47.2139, 76.3383,
61.5366

366.3024,
482.5050, 448.1997


 33.4134, 56.7100,
44.2250


 85.2496, 128.2050,
108.6206


 22.6041, 40.7724,
30.5089


 110.2156,
161.2121, 139.2301

 14.4205, 28.1413,
19.9699


 139.6341,
199.4477, 175.1093

 8.4974, 18.4322,
12.1893

 173.8705,
243.2960, 216.6767

 4.4693, 11.2607,
6.7486

213.2902,
293.1415, 264.3509

 1.9709, 6.2425,
3.2293

258.2585,

 0.6175, 2.9931,

349.3685, 318.5504

1.2129

309.1408,
412.3616, 379.6938

■ 0.0000, 1.1281,
0.0000

■ 0.0000, 0.0018,
0.0000

■ 47.2139, 76.3383,
61.5366

■ 47.2139, 76.3383,
61.5366

■ 45.0368, 75.3210,
56.6933

■ 50.2001, 77.7665,
66.7038


■ 43.5519, 74.6543,
52.1598


■ 54.0860, 79.6522,
72.1999


■ 43.0156, 74.4223,
50.1277


■ 58.9523, 82.0368,
78.0345

■ 64.8698, 84.9566,
84.2153

 71.9024, 88.4447,
90.7497

 80.1089, 92.5312,
97.6447

 89.5438, 97.2441,
104.9069

 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.



53.5147, 76.3383, 35.1519



47.2139, 76.3383, 61.5366



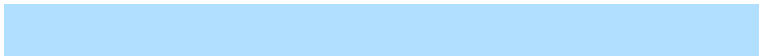
47.0191, 76.3383, 105.9398

Triad

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



47.2139, 76.3383, 61.5366



80.1403, 76.3383, 198.4732



96.5092, 76.3383, 36.3095

Complementary

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



47.2139, 76.3383, 61.5366



46.8492, 26.3484, 22.6973

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.



105.9870, 76.3383, 63.8367



47.2139, 76.3383, 61.5366



95.6535, 76.3383, 162.1042

Square

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



47.2139, 76.3383, 61.5366



64.5673, 76.3383, 197.1472



105.6530, 76.3383, 109.2371



81.1806, 76.3383, 24.5972

Rectangle

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



47.2139, 76.3383, 61.5366



50.2941, 76.3383, 141.5815



105.6530, 76.3383, 109.2371



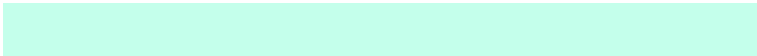
100.5774, 76.3383, 43.4787

Sweetspot

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



47.2147, 76.3387, 61.5379



73.6766, 89.3270, 92.2971



45.8949, 76.6411, 17.0782



15.1769, 18.8249, 19.2349



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.



47.2147, 76.3387, 61.5379



44.2595, 74.9675, 54.5203



47.3516, 62.7793, 104.2297



18.2823, 20.3725, 21.7897



22.5488, 38.9161, 26.5729



2.2463, 3.8094, 2.8546

Inverse Universe

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



46.8492, 26.3484, 22.6973



43.9967, 22.9362, 14.6788



45.9479, 29.2399, 7.9260



18.2591, 18.0870, 19.9815



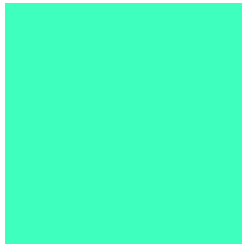
22.4671, 11.4761, 5.8443



2.2358, 1.1367, 0.8233

Previews

White Background



This preview shows how the XYZ color 47.2139, 76.3383, 61.5366 looks on a white background.

Color Contrast Check

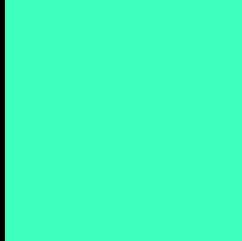
Large Text (above 18pt) WCAG AA × Fail

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 47.2139, 76.3383, 61.5366 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

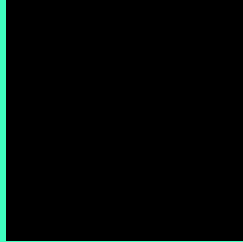
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.2139, 76.3383, 61.5366

Background



This preview shows how black text looks on a background with the XYZ color 47.2139, 76.3383, 61.5366.

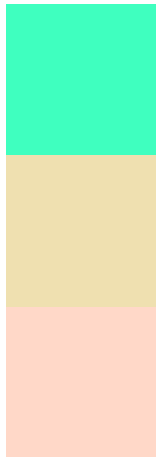


This preview shows how white text looks on a background with the XYZ color 47.2139, 76.3383, 61.5366.

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

47.2139, 76.3383, 61.5366

Protanopia

70.0887, 74.7966, 51.8174

Deuteranopia

76.2212, 74.5419, 65.0143



Tritanopia

61.2427, 75.7432, 105.9998

Trichromacy



Original Color

47.2139, 76.3383, 61.5366



Protanomaly

55.7280, 71.8668, 54.6506



Deuteranomaly

58.3824, 70.9391, 63.4389



Tritanomaly

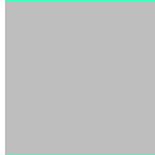
54.4204, 74.8440, 87.9220

Monochromacy



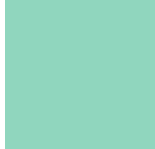
Original Color

47.2139, 76.3383, 61.5366



Achromatopsia

48.9429, 51.4918, 56.0745



Achromatomaly

44.8424, 57.7401, 57.4967

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.2139, 76.3383, 61.5366 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(63, 255, 191)` looks like.

```
.text, #text, p{  
    color:rgb(63, 255, 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(63, 255, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 255, 191) }
```

Border

The CSS property to change the border of an element to XYZ 47.2139, 76.3383, 61.5366 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(63, 255, 191) }
```


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

```
.border{ border-color:rgb(63, 255, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 255, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 255, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 255, 191);  
box-shadow:4px 4px 4px 4px rgb(63, 255,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 47.2139, 76.3383, 61.5366 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 255, 191) }
```

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

```
.background{ background-color: rgb(63, 255,  
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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