

Converting Colors

XYZ(47.9470, 76.5525, 68.9707)

Have a look what the booklet for
XYZ(47.9470, 76.5525, 68.9707)
contains.

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Color

**XYZ(47.9047, 76.5356,
68.7479)**

Conversions

Conversions Part 1

Format	Color
Hex	33FFCB
RGB	51, 255, 203
RGB Percent	20%, 100%, 80%
CMY	0.8000, 0.0000, 0.2039
CMYK	0.80, 0.00, 0.20, 0.00
HSL	165°, 100%, 60%
HSV	165°, 80%, 100%
XYZ	47.9047, 76.5356, 68.7479
YIQ	188.0760, -104.8920, -59.4200

Conversions

Conversions Part 2

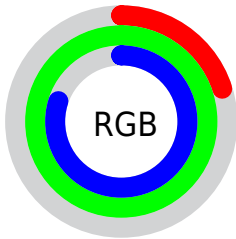
Format	Color
RYB	51, 168, 255
Decimal	3407819
CIELab	90.11, -59.45, 11.37
CIELCh	90, 60.528, 169.177
Yxy	76.5356, 0.2480, 0.3962
Android (android.graphics.Color)	4281597899 (0xFF33FFCB)
YUV	188.0760, 7.3575, -120.2157
Hunter-Lab	87.4846, -55.3553, 14.6475

Details

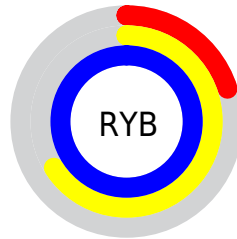
The XYZ color **47.9047, 76.5356, 68.7479** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **44.8729, 24.6080, 15.2189**, and the grayscale version is **47.8467, 50.3384, 54.8186**.

A 20% lighter version of the original color is **63.1701, 83.5653, 107.4080**, and **25.3911, 42.1024, 35.2221** is the 20% darker color. If you saturate the color by 10%, you get **46.1947, 75.7416, 64.7095**, and if you desaturate by 10%, it is **50.3521, 77.7059, 72.9930**.

Distribution



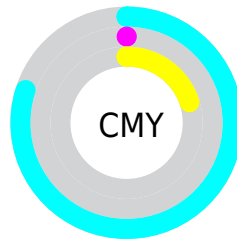
- Red (20%)
- Green (100%)
- Blue (80%)



- Red (20%)
- Yellow (66%)
- Blue (100%)



- Cyan (80%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)





- Cyan (80%)
- Magenta (0%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.9047, 76.5356, 68.7479 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 47.9047, 76.5356, 68.7479 by changing the saturation by 10% instead.


 47.9047, 76.5356,
68.7479


 47.9047, 76.5356,
68.7479


369.0031,
483.1792, 474.8112


 33.9624, 56.8718,
50.0359


 86.2730, 128.4837,
119.0857


 23.0274, 40.9023,
35.0706


 111.4298,
161.5368, 151.5487

 14.7346, 28.2428,
23.4333


 141.0553,
199.8219, 189.4324

 8.7184, 18.5087,
14.7054

 175.5151,
243.7232, 233.1554

 4.6136, 11.3159,
8.4686

215.1744,
293.6252, 283.1363

 2.0548, 6.2797,
4.3042

260.3986,

 0.6645, 3.0159,

349.9122, 339.7935

1.7937

311.5531,
412.9688, 403.5456

0.0000, 1.1400,
0.4238

0.0000, 0.0119,
0.0000

47.9047, 76.5356,
68.7479

47.9047, 76.5356,
68.7479

46.1947, 75.7416,
64.7095

50.3521, 77.7059,
72.9930

45.0546, 75.2379,
60.8641

53.6356, 79.3034,
77.4474

45.0542, 75.2377,
60.8625

57.8409, 81.3722,
82.1186

63.0420, 83.9506,
87.0119

■ 69.3055, 87.0727,
92.1323

■ 76.6921, 90.7698,
97.4846

■ 85.2576, 95.0706,
103.0732

■ 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.



53.0048, 76.5356, 40.1141



47.9047, 76.5356, 68.7479



48.7337, 76.5356, 113.5654

Triad

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



47.9047, 76.5356, 68.7479



82.6506, 76.5356, 188.4149



93.3057, 76.5356, 35.1047

Complementary

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



47.9047, 76.5356, 68.7479



44.8729, 24.6080, 15.2189

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.



103.5754, 76.5356, 59.0092



47.9047, 76.5356, 68.7479



96.8623, 76.5356, 149.9445

Square

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



47.9047, 76.5356, 68.7479



67.4554, 76.5356, 193.8389



104.9598, 76.5356, 99.8503



78.3037, 76.5356, 25.6327

Rectangle

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



47.9047, 76.5356, 68.7479



52.5744, 76.5356, 147.2690



104.9598, 76.5356, 99.8503



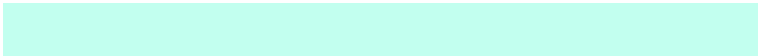
97.5090, 76.5356, 41.2420

Sweetspot

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



47.9055, 76.5360, 68.7493



73.5960, 89.2185, 95.3134



42.2315, 74.7871, 15.3427



15.1963, 18.8181, 19.9942



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.



47.9055, 76.5360, 68.7493



45.4687, 75.4182, 62.3788



41.8262, 52.7450, 102.5841



18.3454, 20.3977, 22.1220



23.6055, 39.3388, 32.1373



2.3426, 3.8480, 3.3618

Inverse Universe

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



44.8729, 24.6080, 15.2189



42.5401, 21.9572, 8.2302



46.2626, 30.3487, 6.5527



18.1993, 18.0630, 19.6669



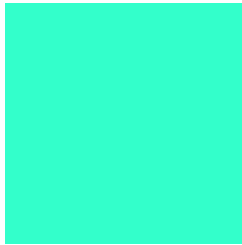
22.0979, 11.3285, 3.9001



2.1935, 1.1198, 0.6006

Previews

White Background



This preview shows how the XYZ color 47.9047, 76.5356, 68.7479 looks on a white background.

Color Contrast Check

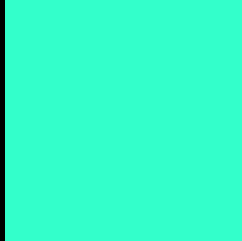
Large Text (above 18pt) WCAG AA × Fail

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 47.9047, 76.5356, 68.7479 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

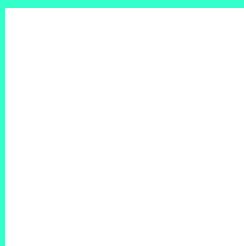
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.9047, 76.5356, 68.7479

Background



This preview shows how black text looks on a background with the XYZ color 47.9047, 76.5356, 68.7479.

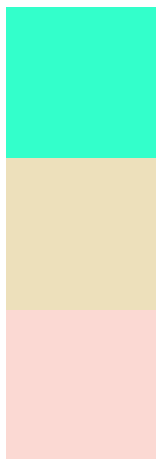


This preview shows how white text looks on a background with the XYZ color 47.9047, 76.5356, 68.7479.

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

47.9047, 76.5356, 68.7479

Protanopia

70.5503, 74.9037, 57.7532

Deuteranopia

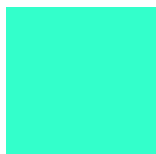
76.3544, 74.8381, 72.0489



Tritanopia

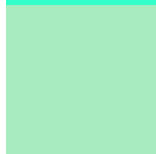
61.0641, 75.6512, 105.9915

Trichromacy



Original Color

47.9047, 76.5356, 68.7479



Protanomaly

55.6962, 71.7019, 61.3564



Deuteranomaly

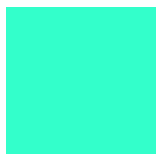
58.3212, 71.1709, 70.3380



Tritanomaly

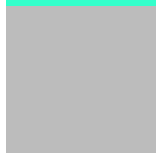
54.3483, 74.7405, 90.9188

Monochromacy



Original Color

47.9047, 76.5356, 68.7479



Achromatopsia

47.7994, 50.2886, 54.7643



Achromatomaly

43.6504, 56.3405, 59.0263

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.9047, 76.5356, 68.7479 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(51, 255, 203)` looks like.

```
.text, #text, p{  
    color:rgb(51, 255, 203)  
}
```

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(51, 255, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 255, 203) }
```

Border

The CSS property to change the border of an element to XYZ 47.9047, 76.5356, 68.7479 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(51, 255, 203) }
```


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

```
.border{ border-color:rgb(51, 255, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 255, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 255, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 255, 203);  
box-shadow:4px 4px 4px 4px rgb(51, 255,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 47.9047, 76.5356, 68.7479 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 255, 203) }
```

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

```
.background{ background-color: rgb(51, 255,  
203) }
```

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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