

Converting Colors

XYZ(47.4584, 76.2917, 69.3512)

Have a look what the booklet for
XYZ(47.4584, 76.2917, 69.3512)
contains.

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Color

**XYZ(47.4584, 76.2917,
69.3512)**

Conversions

Conversions Part 1

Format	Color
Hex	26FFCC
RGB	38, 255, 204
RGB Percent	15%, 100%, 80%
CMY	0.8509, 0.0000, 0.2000
CMYK	0.85, 0.00, 0.20, 0.00
HSL	166°, 100%, 57%
HSV	166°, 85%, 100%
XYZ	47.4584, 76.2917, 69.3512
YIQ	184.3030, -112.9610, -61.8650

Conversions

Conversions Part 2

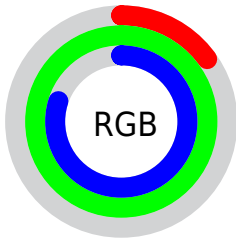
Format	Color
R _Y B	38, 161, 255
Decimal	2555852
CIE Lab	89.99, -60.20, 10.67
CIE LCh	90, 61.143, 169.950
Yxy	76.2917, 0.2458, 0.3951
Android (android.graphics.Color)	4280745932 (0xFF26FFCC)
YUV	184.3030, 9.7106, -128.3077
Hunter-Lab	87.3451, -55.8672, 14.0659

Details

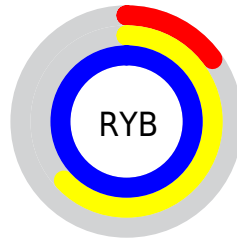
The XYZ color **47.4584, 76.2917, 69.3512** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **43.7373, 23.3687, 11.6594**, and the grayscale version is **45.7223, 48.1034, 52.3846**.

A 20% lighter version of the original color is **62.2674, 83.1000, 107.3658**, and **25.4713, 42.1345, 35.6445** is the 20% darker color. If you saturate the color by 10%, you get **46.1130, 75.6796, 65.6087**, and if you desaturate by 10%, it is **49.4752, 77.2467, 73.2722**.

Distribution



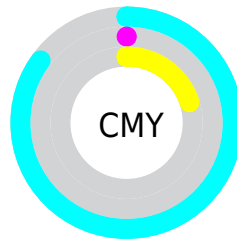
- Red (15%)
- Green (100%)
- Blue (80%)



- Red (15%)
- Yellow (63%)
- Blue (100%)



- Cyan (85%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)





- Cyan (85%)
- Magenta (0%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.4584, 76.2917, 69.3512 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 47.4584, 76.2917, 69.3512 by changing the saturation by 10% instead.


 47.4584, 76.2917,
69.3512


 47.4584, 76.2917,
69.3512


367.2597,
482.3457, 476.9961


 33.6076, 56.6717,
50.5242


 85.6121, 128.1392,
119.9555


 22.7538, 40.7417,
35.4560


 110.6457,
161.1354, 152.5699

 14.5315, 28.1173,
23.7280


 140.1376,
199.3593, 190.6172

 8.5754, 18.4141,
14.9217

 174.4532,
243.1951, 234.5159

 4.5202, 11.2477,
8.6184

213.9579,
293.0272, 284.6847

 2.0004, 6.2337,
4.3997

259.0170,

 0.6342, 2.9877,

349.2401, 341.5419

1.8471

309.9958,
412.2181, 405.5062

■ 0.0000, 1.1253,
0.4588

■ 0.0000, 0.0000,
0.0000

■ 47.4584, 76.2917,
69.3512

■ 47.4584, 76.2917,
69.3512

■ 46.1130, 75.6796,
65.6087

■ 49.4752, 77.2467,
73.2722

■ 45.6180, 75.4632,
63.8313

■ 52.2745, 78.6019,
77.3746

■ 55.9490, 80.4050,
81.6654

■ 60.5779, 82.6968,
86.1500

66.2311, 85.5134,
90.8331

72.9721, 88.8873,
95.7191

80.8589, 92.8486,
100.8123

89.9456, 97.4249,
106.1166

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.



52.4327, 76.2917, 40.1399



47.4584, 76.2917, 69.3512



48.4453, 76.2917, 114.8873

Triad

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



47.4584, 76.2917, 69.3512



82.9065, 76.2917, 188.6746



92.9054, 76.2917, 34.1955

Complementary

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



47.4584, 76.2917, 69.3512



43.7373, 23.3687, 11.6594

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.



103.4658, 76.2917, 57.7448



47.4584, 76.2917, 69.3512



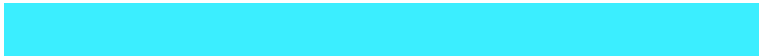
97.1592, 76.2917, 149.0974

Square

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



47.4584, 76.2917, 69.3512



67.5501, 76.2917, 195.1822



105.1225, 76.2917, 98.4853



77.7132, 76.2917, 25.0471

Rectangle

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



47.4584, 76.2917, 69.3512



52.4062, 76.2917, 148.9314



105.1225, 76.2917, 98.4853



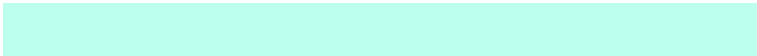
97.1992, 76.2917, 40.2091

Sweetspot

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



47.4592, 76.2921, 69.3526



72.3137, 88.5572, 95.2671



40.5499, 73.9488, 13.9714



14.9588, 18.6947, 20.0252



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.



47.4592, 76.2921, 69.3526



45.6180, 75.4632, 63.8313



39.6792, 49.2909, 102.0305



18.3615, 20.4041, 22.2067



23.8971, 39.4554, 33.6730



2.3688, 3.8584, 3.4999

Inverse Universe

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



43.7373, 23.3687, 11.6594



42.0538, 21.5855, 6.2156



45.4399, 29.0997, 5.0568



18.1843, 18.0570, 19.5876



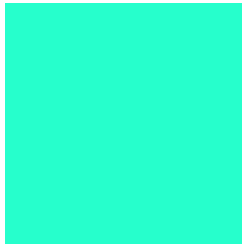
22.0215, 11.2979, 3.4976



2.1842, 1.1161, 0.5516

Previews

White Background



This preview shows how the XYZ color 47.4584, 76.2917, 69.3512 looks on a white background.

Color Contrast Check

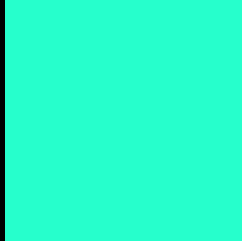
Large Text (above 18pt) WCAG AA × Fail

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 47.4584, 76.2917, 69.3512 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

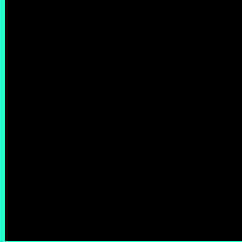
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.4584, 76.2917, 69.3512

Background



This preview shows how black text looks on a background with the XYZ color 47.4584, 76.2917, 69.3512.

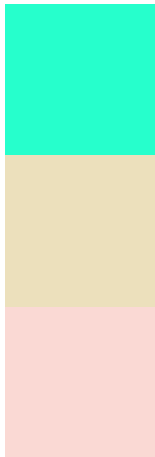


This preview shows how white text looks on a background with the XYZ color 47.4584, 76.2917, 69.3512.

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

47.4584, 76.2917, 69.3512

Protanopia

70.3248, 74.7750, 58.3035

Deuteranopia

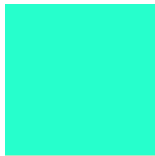
76.1209, 74.7032, 72.6945



Tritanopia

60.5378, 75.3798, 105.9668

Trichromacy



Original Color

47.4584, 76.2917, 69.3512



Protanomaly

54.7558, 71.2042, 61.8968



Deuteranomaly

57.3181, 70.6395, 70.9354



Tritanomaly

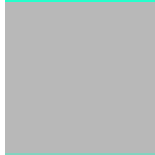
53.6184, 74.3642, 90.8846

Monochromacy



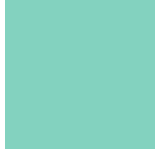
Original Color

47.4584, 76.2917, 69.3512



Achromatopsia

45.5594, 47.9320, 52.1980



Achromatomaly

41.8106, 54.6801, 57.6409

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.4584, 76.2917, 69.3512 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(38, 255, 204)` looks like.

```
.text, #text, p{  
    color:rgb(38, 255, 204)  
}
```

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(38, 255, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 255, 204) }
```

Border

The CSS property to change the border of an element to XYZ 47.4584, 76.2917, 69.3512 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(38, 255, 204) }
```


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

```
.border{ border-color:rgb(38, 255, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 255, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 255, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 255, 204);  
box-shadow:4px 4px 4px 4px rgb(38, 255,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 47.4584, 76.2917, 69.3512 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 255, 204) }
```

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

```
.background{ background-color: rgb(38, 255,  
204) }
```

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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