

Converting Colors

XYZ(45.6856, 75.5731, 60.4439)

Have a look what the booklet for
XYZ(45.6856, 75.5731, 60.4439)
contains.

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Color

**XYZ(45.6729, 75.5692,
60.3232)**

Conversions

Conversions Part 1

Format	Color
Hex	24FFBD
RGB	36, 255, 189
RGB Percent	14%, 100%, 74%
CMY	0.8588, 0.0000, 0.2588
CMYK	0.86, 0.00, 0.26, 0.00
HSL	162°, 100%, 57%
HSV	162°, 86%, 100%
XYZ	45.6729, 75.5692, 60.3232
YIQ	181.9950, -109.3380, -66.9540

Conversions

Conversions Part 2

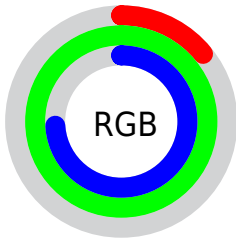
Format	Color
R_{YB}	36, 165, 255
Decimal	2424765
CIE _{Lab}	89.66, -63.80, 17.91
CIE _{LCh}	90, 66.262, 164.320
Yxy	75.5692, 0.2516, 0.4162
Android (android.graphics.Color)	4280614845 (0xFF24FFBD)
YUV	181.9950, 3.4535, -128.0376
Hunter-Lab	86.9305, -58.3454, 19.7086

Details

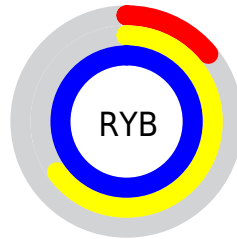
The XYZ color **45.6729, 75.5692, 60.3232** is a light color, and the websafe version is hex **00FFCC**. The color can be described as light washed spring green. A complement of this color would be **44.2702, 23.4822, 14.7729**, and the grayscale version is **44.4872, 46.8040, 50.9696**.

A 20% lighter version of the original color is **60.5536, 82.3977, 99.0990**, and **24.4102, 41.7101, 30.0569** is the 20% darker color. If you saturate the color by 10%, you get **44.2647, 74.9371, 56.0181**, and if you desaturate by 10%, it is **47.7586, 76.5454, 64.8934**.

Distribution



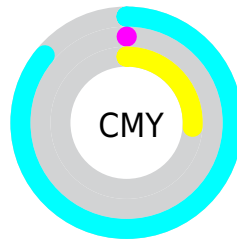
- Red (14%)
- Green (100%)
- Blue (74%)



- Red (14%)
- Yellow (65%)
- Blue (100%)



- Cyan (86%)
- Magenta (0%)
- Yellow (26%)
- Black (0%)





- Cyan (86%)
- Magenta (0%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.6729, 75.5692, 60.3232 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 45.6729, 75.5692, 60.3232 by changing the saturation by 10% instead.

 45.6729, 75.5692,
60.3232


 45.6729, 75.5692,
60.3232


360.2301,
479.8717, 443.6257


 32.1913, 56.0793,
43.2522


 82.9601, 127.1178,
106.8463


 21.6639, 40.2665,
29.7502


 107.4965,
159.9452, 137.1355

 13.7254, 27.7464,
19.3986


 136.4484,
197.9874, 172.6679

 8.0103, 18.1346,
11.7789

 170.1814,
241.6286, 213.8619

 4.1534, 11.0467,
6.4726

209.0606,
291.2532, 261.1362

 1.7893, 6.0982,
3.0611

253.4516,

 0.5112, 2.9049,

347.2457, 314.9092

1.1259

303.7196,
409.9904, 375.5995

■ 0.0000, 1.0823,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 45.6729, 75.5692,
60.3232

■ 45.6729, 75.5692,
60.3232

■ 44.2647, 74.9371,
56.0181


■ 47.7586, 76.5454,
64.8934


■ 43.8108, 74.7403,
54.3147


■ 50.6357, 77.9245,
69.7335


■ 54.3988, 79.7550,
74.8528

■ 59.1280, 82.0783,
80.2582

 64.8943, 84.9308,
85.9563

 71.7618, 88.3455,
91.9534

 79.7894, 92.3527,
98.2552

 89.0316, 96.9804,
104.8674

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.



52.0737, 75.5692, 33.3111



45.6729, 75.5692, 60.3232



45.5306, 75.5692, 106.5472

Triad

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



45.6729, 75.5692, 60.3232



79.8628, 75.5692, 203.5410



96.6720, 75.5692, 34.1427

Complementary

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



45.6729, 75.5692, 60.3232



44.2702, 23.4822, 14.7729

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.



106.6865, 75.5692, 62.0126



45.6729, 75.5692, 60.3232



96.0319, 75.5692, 164.6864

Square

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



45.6729, 75.5692, 60.3232



63.6820, 75.5692, 202.5337



106.4359, 75.5692, 109.0118



80.6368, 75.5692, 22.5761

Rectangle

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



45.6729, 75.5692, 60.3232



48.9203, 75.5692, 143.9961



106.4359, 75.5692, 109.0118



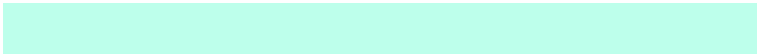
100.9549, 75.5692, 41.3312

Sweetspot

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



45.6736, 75.5696, 60.3245



71.6700, 88.2997, 91.8774



41.9468, 74.6726, 13.8727



14.8047, 18.6331, 19.2139



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.



45.6736, 75.5696, 60.3245



43.8108, 74.7403, 54.3147



43.0410, 56.1213, 103.1717



18.3080, 20.3827, 21.9247



22.9614, 39.0811, 28.7455



2.2841, 3.8246, 3.0540

Inverse Universe

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



44.2702, 23.4822, 14.7729



42.5743, 21.7937, 8.9565



44.1543, 26.5788, 4.4733



18.2347, 18.0772, 19.8529



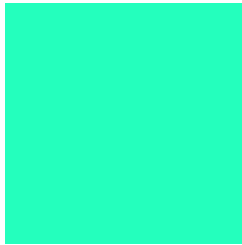
22.3034, 11.4106, 4.9820



2.2175, 1.1294, 0.7268

Previews

White Background



This preview shows how the XYZ color 45.6729, 75.5692, 60.3232 looks on a white background.

Color Contrast Check

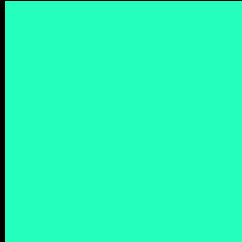
Large Text (above 18pt) WCAG AA × Fail

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 45.6729, 75.5692, 60.3232 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 45.6729, 75.5692, 60.3232

Background



This preview shows how black text looks on a background with the XYZ color 45.6729, 75.5692, 60.3232.

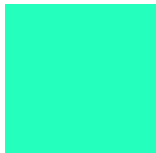


This preview shows how white text looks on a background with the XYZ color 45.6729, 75.5692,

Color Blindness Simulation

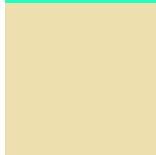
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



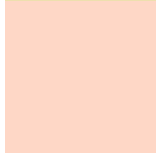
Original Color

45.6729, 75.5692, 60.3232



Protanopia

69.2876, 74.0085, 50.6776



Deuteranopia

75.3665, 73.7489, 63.6888



Tritanopia

59.8575, 75.0291, 105.9350

Trichromacy



Original Color

45.6729, 75.5692, 60.3232



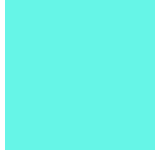
Protanomaly

53.3621, 70.6707, 53.4762



Deuteranomaly

55.8263, 69.6477, 62.1308



Tritanomaly

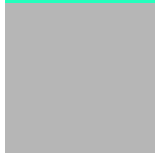
52.5557, 73.8991, 87.0953

Monochromacy



Original Color

45.6729, 75.5692, 60.3232



Achromatopsia

44.4628, 46.7784, 50.9417



Achromatomaly

40.6107, 53.7708, 54.1373

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.6729, 75.5692, 60.3232 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(36, 255, 189)` looks like.

```
.text, #text, p{  
    color:rgb(36, 255, 189)  
}
```

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(36, 255, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 255, 189) }
```

Border

The CSS property to change the border of an element to XYZ 45.6729, 75.5692, 60.3232 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(36, 255, 189) }
```


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

```
.border{ border-color:rgb(36, 255, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 255, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 255, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 255, 189);  
box-shadow:4px 4px 4px 4px rgb(36, 255,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 45.6729, 75.5692, 60.3232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 255, 189) }
```

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

```
.background{ background-color: rgb(36, 255,  
189) }
```

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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