

Converting Colors

XYZ(40.5581, 65.9382, 60.3114)

Have a look what the booklet for
XYZ(40.5581, 65.9382, 60.3114)
contains.

XYZ(40.6745, 66.1259, 60.4890)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(40.6745, 66.1259,
60.4890)**

Conversions

Conversions Part 1

Format	Color
Hex	00F0C0
RGB	0, 240, 192
RGB Percent	0%, 94%, 75%
CMY	0.9998, 0.0588, 0.2471
CMYK	1.00, 0.00, 0.20, 0.06
HSL	168°, 100%, 47%
HSV	168°, 100%, 94%
XYZ	40.6745, 66.1259, 60.4890
YIQ	162.7680, -127.6320, -65.8080

Conversions

Conversions Part 2

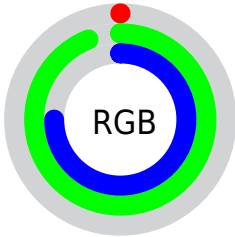
Format	Color
RYB	0, 133, 240
Decimal	61632
CIELab	85.06, -58.82, 9.83
CIElCh	85, 59.633, 170.512
Yxy	66.1259, 0.2431, 0.3953
Android (android.graphics.Color)	4278251712 (0xFF00F0C0)
YUV	162.7680, 14.4114, -142.7475
Hunter-Lab	81.3178, -53.0220, 12.8191

Details

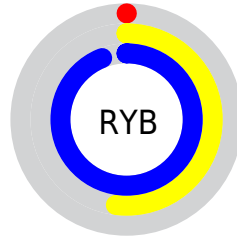
The XYZ color **40.6745, 66.1259, 60.4890** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light saturated cyan. A complement of this color would be **36.4712, 18.7405, 4.4959**, and the grayscale version is **34.6872, 36.4936, 39.7415**.

A 20% lighter version of the original color is **59.5133, 81.8080, 101.4608**, and **21.5937, 35.7311, 30.1848** is the 20% darker color. If you saturate the color by 10%, you get **40.6749, 66.1278, 60.4858**, and if you desaturate by 10%, it is **41.5943, 66.5392, 63.3562**.

Distribution



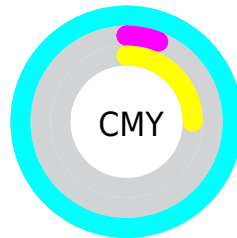
- Red (0%)
- Green (94%)
- Blue (75%)



- Red (0%)
- Yellow (52%)
- Blue (94%)



- Cyan (100%)
- Magenta (0%)
- Yellow (20%)
- Black (6%)




- Cyan (100%)
- Magenta (6%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.6745, 66.1259, 60.4890 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 40.6745, 66.1259, 60.4890 by changing the saturation by 10% instead.


 40.6745, 66.1259,
60.4890


 40.6745, 66.1259,
60.4890


340.0442,
446.8270, 444.2525


 28.2514, 48.3746,
43.3850


 75.4674, 113.6670,
107.0890


 18.6567, 34.1236,
29.8537


 98.5678, 144.2256,
137.4221


 11.5250, 22.9886,
19.4765

 125.9581,
179.8221, 173.0020

 6.4910, 14.5851,
11.8348

 158.0035,
220.8410, 214.2473

 3.1893, 8.5287,
6.5101

 195.0695,
267.6664, 261.5764

 1.2547, 4.4351,
3.0839

237.5214,

 0.1489, 1.9198,

320.6830, 315.4080

1.1376

285.7245,
380.2751, 376.1605

■ 0.0000, 0.5602,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.6745, 66.1259,
60.4890

■ 40.6745, 66.1259,
60.4890

■ 40.6749, 66.1278,
60.4858

■ 41.5943, 66.5392,
63.3562

■ 42.9959, 67.1973,
66.3358

■ 45.0266, 68.1776,
69.4372

■ 47.7732, 69.5249,
72.6652

■ 51.3084, 71.2767,
76.0240

■ 55.6958, 73.4657,
79.5173

■ 60.9927, 76.1215,
83.1487

■ 67.2510, 79.2707,
86.9213

■ 74.5190, 82.9383,
90.8382

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



44.9604, 66.1259, 34.4793



40.6745, 66.1259, 60.4890



41.6424, 66.1259, 101.1341

Triad

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



40.6745, 66.1259, 60.4890



72.3363, 66.1259, 165.8016



80.7353, 66.1259, 28.6905

Complementary

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



40.6745, 66.1259, 60.4890



36.4712, 18.7405, 4.4959

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.



90.2585, 66.1259, 49.0786



40.6745, 66.1259, 60.4890



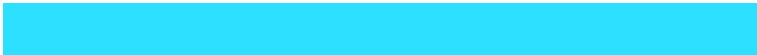
84.9503, 66.1259, 129.9822

Square

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



40.6745, 66.1259, 60.4890



58.6912, 66.1259, 172.2945



91.9020, 66.1259, 84.8856



67.2022, 66.1259, 20.9301

Rectangle

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



40.6745, 66.1259, 60.4890



45.1982, 66.1259, 131.4893



91.9020, 66.1259, 84.8856



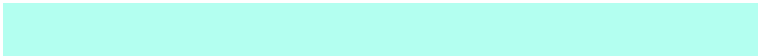
84.5881, 66.1259, 33.8632

Sweetspot

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



40.6763, 66.1285, 60.4906



69.9182, 87.3175, 95.3713



32.5792, 63.0534, 10.4546



14.3881, 18.3998, 20.0320



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.



40.6763, 66.1285, 60.4906



46.6579, 75.8792, 69.3077



30.4845, 35.8022, 87.7447



16.1039, 17.8716, 19.5703



22.3140, 36.2176, 33.3662



1.8903, 3.0266, 2.9549

Inverse Universe

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



36.4712, 18.7405, 4.4959



41.8378, 21.4991, 5.0777



38.0056, 22.6639, 2.3726



15.9021, 15.8105, 17.0405



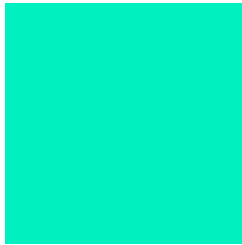
20.0011, 10.2729, 2.6566



1.6982, 0.8683, 0.4015

Previews

White Background



This preview shows how the XYZ color 40.6745, 66.1259, 60.4890 looks on a white background.

Color Contrast Check

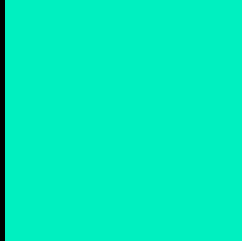
Large Text (above 18pt) WCAG AA × Fail

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 40.6745, 66.1259, 60.4890 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

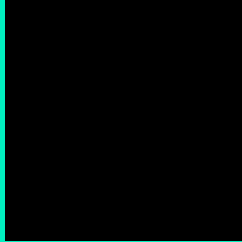
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

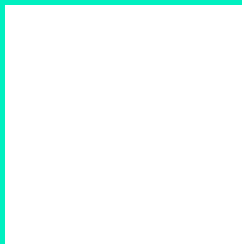
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.6745, 66.1259, 60.4890

Background



This preview shows how black text looks on a background with the XYZ color 40.6745, 66.1259, 60.4890.

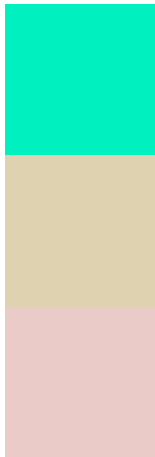


This preview shows how white text looks on a background with the XYZ color 40.6745, 66.1259,

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

40.6745, 66.1259, 60.4890

Protanopia

61.1066, 64.7971, 50.8814

Deuteranopia

66.0422, 64.5442, 63.6211



Tritanopia

48.9417, 66.0560, 101.4374

Trichromacy



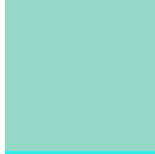
Original Color

40.6745, 66.1259, 60.4890



Protanomaly

45.2845, 60.7530, 53.5957



Deuteranomaly

47.2116, 59.6270, 61.8442



Tritanomaly

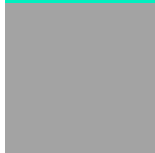
45.1180, 65.7107, 85.1684

Monochromacy



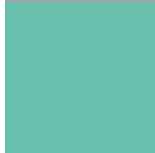
Original Color

40.6745, 66.1259, 60.4890



Achromatopsia

34.8123, 36.6253, 39.8849



Achromatomaly

31.9797, 43.2607, 46.7090

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.6745, 66.1259, 60.4890 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(0, 240, 192)` looks like.

```
.text, #text, p{  
    color:rgb(0, 240, 192)  
}
```

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(0, 240, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 240, 192) }
```

Border

The CSS property to change the border of an element to XYZ 40.6745, 66.1259, 60.4890 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(0, 240, 192) }
```


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

```
.border{ border-color:rgb(0, 240, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 240, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 240, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 240, 192);  
box-shadow:4px 4px 4px 4px rgb(0, 240,  
192) }
```

Background

The CSS property to change the background color of an element to XYZ 40.6745, 66.1259, 60.4890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 240, 192) }
```

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

```
.background{ background-color: rgb(0, 240,  
192) }
```

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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