

Converting Colors

XYZ(39.6015, 61.4162, 66.5491)

Have a look what the booklet for
XYZ(39.6015, 61.4162, 66.5491)
contains.

XYZ(39.6647, 61.6231, 66.3038)	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(39.6647, 61.6231,
66.3038)**

Conversions

Conversions Part 1

Format	Color
Hex	15E7CB
RGB	21, 231, 203
RGB Percent	8%, 91%, 80%
CMY	0.9175, 0.0941, 0.2039
CMYK	0.91, 0.00, 0.12, 0.09
HSL	172°, 83%, 49%
HSV	172°, 91%, 91%
XYZ	39.6647, 61.6231, 66.3038
YIQ	165.0180, -116.1720, -53.2280

Conversions

Conversions Part 2

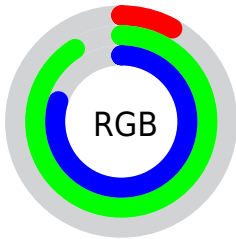
Format	Color
R _Y B	21, 134, 231
Decimal	1435595
CIE Lab	82.71, -51.84, 0.67
CIE LCh	83, 51.845, 179.256
Yxy	61.6231, 0.2367, 0.3677
Android (android.graphics.Color)	4279625675 (0xFF15E7CB)
YUV	165.0180, 18.7251, -126.3038
Hunter-Lab	78.5004, -47.1831, 4.8721

Details

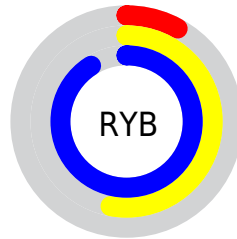
The XYZ color **39.6647, 61.6231, 66.3038** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light washed cyan. A complement of this color would be **33.7798, 17.7489, 4.5545**, and the grayscale version is **35.7304, 37.5912, 40.9368**.

A 20% lighter version of the original color is **60.8802, 82.3848, 107.3009**, and **20.5609, 32.4420, 33.6120** is the 20% darker color. If you saturate the color by 10%, you get **39.0254, 61.3332, 64.5464**, and if you desaturate by 10%, it is **40.7717, 62.1524, 68.2927**.

Distribution



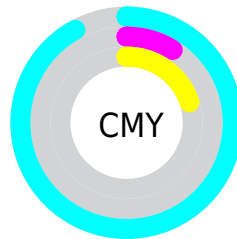
- Red (8%)
- Green (91%)
- Blue (80%)



- Red (8%)
- Yellow (53%)
- Blue (91%)



- Cyan (91%)
- Magenta (0%)
- Yellow (12%)
- Black (9%)





- Cyan (92%)
- Magenta (9%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.6647, 61.6231, 66.3038 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 39.6647, 61.6231, 66.3038 by changing the saturation by 10% instead.


 39.6647, 61.6231,
66.3038


 39.6647, 61.6231,
66.3038


335.8670,
430.5550, 465.8964


 27.4603, 44.7282,
48.0610


 73.9403, 107.1806,
115.5534


 18.0576, 31.2434,
33.5149


 96.7421, 136.6121,
147.3973


 11.0913, 20.7843,
22.2468


 123.8071,
170.9911, 184.6120

 6.1960, 12.9664,
13.8383

 155.5006,
210.7022, 227.6161

 3.0064, 7.4054,
7.8708

 192.1880,
256.1298, 276.8280

 1.1572, 3.7169,
3.9258

234.2346,

 0.0721, 1.5165,

307.6582, 332.6664

1.5847

282.0058,
365.6717, 395.5496

■ 0.0000, 0.3003,
0.2799

■ 0.0000, 0.0000,
0.0000

■ 39.6647, 61.6231,
66.3038

■ 39.6647, 61.6231,
66.3038

■ 39.0254, 61.3332,
64.5464

■ 40.7717, 62.1524,
68.2927

■ 42.4362, 62.9667,
70.3446

■ 44.7398, 64.1098,
72.4650

■ 47.7498, 65.6161,
74.6571

■ 51.5244, 67.5157,
76.9239

■ 56.1161, 69.8357,
79.2682

■ 61.5727, 72.6006,
81.6922

■ 67.9380, 75.8332,
84.1984

■ 75.2532, 79.5546,
86.7887

Harmonies

Analogous

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



42.0293, 61.6231, 40.3789



39.6647, 61.6231, 66.3038



41.8068, 61.6231, 101.7464

Triad

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



39.6647, 61.6231, 66.3038



69.6699, 61.6231, 136.0711



70.2120, 61.6231, 26.9902

Complementary

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



39.6647, 61.6231, 66.3038



33.7798, 17.7489, 4.5545

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.



79.3066, 61.6231, 41.3702



39.6647, 61.6231, 66.3038



78.9667, 61.6231, 103.5780

Square

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



39.6647, 61.6231, 66.3038



58.2933, 61.6231, 148.9819



82.6939, 61.6231, 67.8967



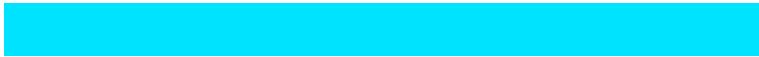
58.8494, 61.6231, 22.5638

Rectangle

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



39.6647, 61.6231, 66.3038



45.6785, 61.6231, 125.1002



82.6939, 61.6231, 67.8967



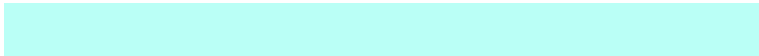
73.6860, 61.6231, 30.5376

Sweetspot

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



39.6665, 61.6255, 66.3053



72.6528, 88.6206, 100.3189



30.1558, 57.9521, 10.3073



15.0731, 18.7267, 21.2517



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.



39.6665, 61.6255, 66.3053



48.8103, 76.7401, 80.6421



26.8779, 30.2170, 80.0198



14.7204, 16.3016, 18.0584



21.9109, 34.3965, 36.3609



1.6422, 2.5510, 2.8083

Inverse Universe

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



33.7798, 17.7489, 4.5545



41.5288, 21.3755, 3.4509



37.1408, 25.1418, 3.6061



14.4548, 14.3991, 15.3296



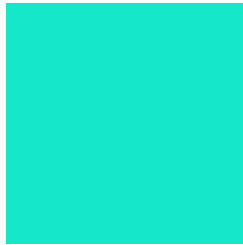
18.6379, 9.5894, 1.7221



1.4025, 0.7187, 0.2601

Previews

White Background



This preview shows how the XYZ color 39.6647, 61.6231, 66.3038 looks on a white background.

Color Contrast Check

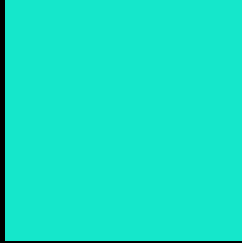
Large Text (above 18pt) WCAG AA × Fail

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 39.6647, 61.6231, 66.3038 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

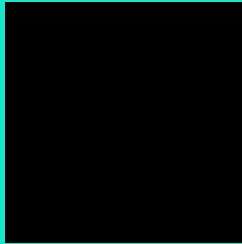
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

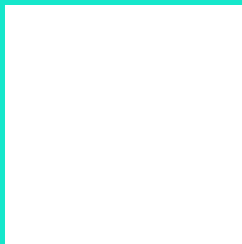
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 39.6647, 61.6231, 66.3038

Background



This preview shows how black text looks on a background with the XYZ color 39.6647, 61.6231, 66.3038.

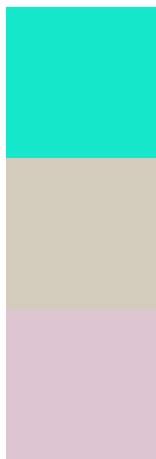


This preview shows how white text looks on a background with the XYZ color 39.6647, 61.6231,

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

39.6647, 61.6231, 66.3038

Protanopia

57.2970, 60.1916, 56.1752

Deuteranopia

61.6457, 60.4135, 69.3847



Tritanopia

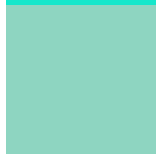
45.3687, 61.4721, 95.0621

Trichromacy



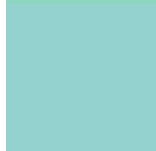
Original Color

39.6647, 61.6231, 66.3038



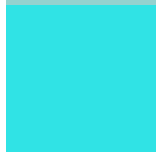
Protanomaly

44.5752, 57.1895, 59.1414



Deuteranomaly

46.5218, 56.8941, 67.5612



Tritanomaly

42.8309, 61.2237, 83.6887

Monochromacy



Original Color

39.6647, 61.6231, 66.3038



Achromatopsia

35.7637, 37.6262, 40.9749



Achromatomaly

33.1443, 43.1606, 49.2318

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.6647, 61.6231, 66.3038 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(21, 231, 203)` looks like.

```
.text, #text, p{  
    color:rgb(21, 231, 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(21, 231, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 231, 203) }
```

Border

The CSS property to change the border of an element to XYZ 39.6647, 61.6231, 66.3038 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(21, 231, 203) }
```


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

```
.border{ border-color:rgb(21, 231, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 231, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 231, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 231, 203);  
box-shadow:4px 4px 4px 4px rgb(21, 231,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 39.6647, 61.6231, 66.3038 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 231, 203) }
```

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

```
.background{ background-color: rgb(21, 231,  
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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