

Converting Colors

XYZ(40.4863, 63.5791, 65.6744)

Have a look what the booklet for
XYZ(40.4863, 63.5791, 65.6744)
contains.

XYZ(40.5394, 63.7824, 65.4329)	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(40.5394, 63.7824,
65.4329)**

Conversions

Conversions Part 1

Format	Color
Hex	14EBC9
RGB	20, 235, 201
RGB Percent	8%, 92%, 79%
CMY	0.9215, 0.0784, 0.2118
CMYK	0.91, 0.00, 0.14, 0.08
HSL	171°, 84%, 50%
HSV	171°, 91%, 92%
XYZ	40.5394, 63.7824, 65.4329
YIQ	166.8390, -117.2260, -56.1540

Conversions

Conversions Part 2

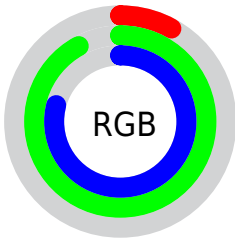
Format	Color
RYB	20, 137, 235
Decimal	1371081
CIELab	83.85, -54.03, 3.38
CIELCh	84, 54.133, 176.416
Yxy	63.7824, 0.2388, 0.3757
Android (android.graphics.Color)	4279561161 (0xFF14EBC9)
YUV	166.8390, 16.8414, -128.7778
Hunter-Lab	79.8639, -49.1541, 7.3281

Details

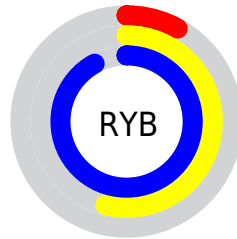
The XYZ color **40.5394, 63.7824, 65.4329** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **35.1793, 18.4306, 5.1968**, and the grayscale version is **36.6183, 38.5253, 41.9540**.

A 20% lighter version of the original color is **61.0125, 82.4530, 107.3071**, and **21.1869, 33.9474, 33.0396** is the 20% darker color. If you saturate the color by 10%, you get **39.8833, 63.4883, 63.4784**, and if you desaturate by 10%, it is **41.7133, 64.3380, 67.7997**.

Distribution



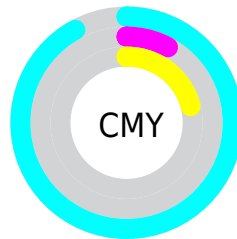
- Red (8%)
- Green (92%)
- Blue (79%)



- Red (8%)
- Yellow (54%)
- Blue (92%)



- Cyan (91%)
- Magenta (0%)
- Yellow (14%)
- Black (8%)





- Cyan (92%)
- Magenta (8%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.5394, 63.7824, 65.4329 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 40.5394, 63.7824, 65.4329 by changing the saturation by 10% instead.


 40.5394, 63.7824,
65.4329


 40.5394, 63.7824,
65.4329


339.4874,
438.4034, 462.6947


 28.1454, 46.4745,
47.3586


 75.2633, 110.2975,
114.2912


 18.5763, 32.6204,
32.9629


 98.3240, 140.2734,
145.9124


 11.4667, 21.8358,
21.8271


 125.6710,
175.2408, 182.8862

 6.4513, 13.7363,
13.5328

 157.6695,
215.5841, 225.6313

 3.1646, 7.9375,
7.6614

 194.6851,
261.6876, 274.5661

 1.2414, 4.0550,
3.7944

237.0831,

 0.1387, 1.7044,

313.9357, 330.1093

1.5133

285.2287,
372.7128, 392.6793

■ 0.0000, 0.4265,
0.2278

■ 0.0000, 0.0000,
0.0000

■ 40.5394, 63.7824,
65.4329

■ 40.5394, 63.7824,
65.4329

■ 39.8833, 63.4883,
63.4784

■ 41.7133, 64.3380,
67.7997

■ 43.4648, 65.1885,
70.2477

■ 45.8802, 66.3801,
72.7828

■ 49.0302, 67.9491,
75.4086

■ 52.9762, 69.9272,
78.1285

■ 57.7732, 72.3428,
80.9452

■ 63.4713, 75.2216,
83.8616

■ 70.1166, 78.5875,
86.8802

■ 77.7521, 82.4625,
90.0033

Harmonies

Analogous

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



43.4941, 63.7824, 39.1478



40.5394, 63.7824, 65.4329



42.3581, 63.7824, 102.8599

Triad

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



40.5394, 63.7824, 65.4329



71.3798, 63.7824, 146.1915



74.1772, 63.7824, 27.9205

Complementary

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



40.5394, 63.7824, 65.4329



35.1793, 18.4306, 5.1968

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.



83.5036, 63.7824, 44.1904



40.5394, 63.7824, 65.4329



81.7458, 63.7824, 112.3545

Square

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



40.5394, 63.7824, 65.4329



59.2045, 63.7824, 157.4954



86.4386, 63.7824, 73.6245



62.0645, 63.7824, 22.4376

Rectangle

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



40.5394, 63.7824, 65.4329



46.1811, 63.7824, 128.5306



86.4386, 63.7824, 73.6245



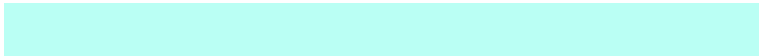
77.8003, 63.7824, 31.9823

Sweetspot

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



40.5412, 63.7848, 65.4344



72.3921, 88.5163, 98.9457



31.4587, 60.3059, 10.6452



15.0107, 18.7017, 20.9229



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.



40.5412, 63.7848, 65.4344



47.9831, 76.4092, 76.2861



28.4434, 32.4642, 83.3671



15.4094, 17.0786, 18.8385



22.2355, 35.3487, 35.5350



1.7735, 2.7867, 2.9352

Inverse Universe

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



35.1793, 18.4306, 5.1968



41.6287, 21.4155, 3.9767



38.1886, 25.3133, 3.5362



15.1626, 15.0929, 16.1416



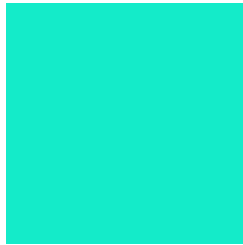
19.2851, 9.9167, 2.0366



1.5437, 0.7904, 0.3144

Previews

White Background



This preview shows how the XYZ color 40.5394, 63.7824, 65.4329 looks on a white background.

Color Contrast Check

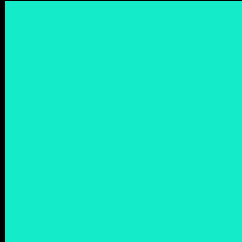
Large Text (above 18pt) WCAG AA × Fail

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 40.5394, 63.7824, 65.4329 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

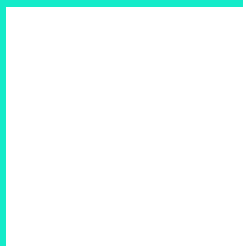
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.5394, 63.7824, 65.4329

Background



This preview shows how black text looks on a background with the XYZ color 40.5394, 63.7824, 65.4329.

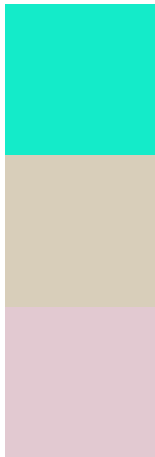


This preview shows how white text looks on a background with the XYZ color 40.5394, 63.7824,

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

40.5394, 63.7824, 65.4329

Protanopia

59.2531, 62.2867, 55.3539

Deuteranopia

63.7593, 62.5455, 69.0336



Tritanopia

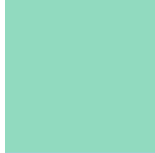
47.1226, 63.9473, 97.8551

Trichromacy



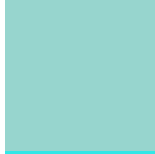
Original Color

40.5394, 63.7824, 65.4329



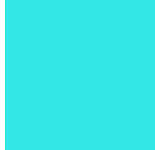
Protanomaly

45.8939, 59.4070, 58.3381



Deuteranomaly

47.6973, 58.6240, 67.1942



Tritanomaly

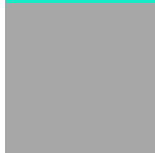
44.1742, 63.5431, 84.7997

Monochromacy



Original Color

40.5394, 63.7824, 65.4329



Achromatopsia

36.7301, 38.6429, 42.0822



Achromatomaly

33.9258, 44.5314, 49.4552

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.5394, 63.7824, 65.4329 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(20, 235, 201)` looks like.

```
.text, #text, p{  
    color:rgb(20, 235, 201)  
}
```

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(20, 235, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 235, 201) }
```

Border

The CSS property to change the border of an element to XYZ 40.5394, 63.7824, 65.4329 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(20, 235, 201) }
```


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

```
.border{ border-color:rgb(20, 235, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(20, 235, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 235, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 235, 201);  
box-shadow:4px 4px 4px 4px rgb(20, 235,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 40.5394, 63.7824, 65.4329 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 235, 201) }
```

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

```
.background{ background-color: rgb(20, 235,  
201) }
```

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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