

Converting Colors

XYZ(44.7225, 67.7707, 80.7688)

Have a look what the booklet for
XYZ(44.7225, 67.7707, 80.7688)
contains.

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Color

**XYZ(44.6764, 67.7494,
80.5343)**

Conversions

Conversions Part 1

Format	Color
Hex	0FF0DF
RGB	15, 240, 223
RGB Percent	6%, 94%, 87%
CMY	0.9410, 0.0588, 0.1255
CMYK	0.94, 0.00, 0.07, 0.06
HSL	175°, 88%, 50%
HSV	175°, 94%, 94%
XYZ	44.6764, 67.7494, 80.5343
YIQ	170.7870, -128.6430, -52.9870

Conversions

Conversions Part 2

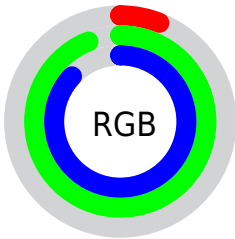
Format	Color
RYB	15, 132, 240
Decimal	1044703
CIELab	85.88, -50.38, -5.21
CIELCh	86, 50.650, 185.909
Yxy	67.7494, 0.2315, 0.3511
Android (android.graphics.Color)	4279234783 (0xFF0FF0DF)
YUV	170.7870, 25.7410, -136.6252
Hunter-Lab	82.3100, -47.1560, -0.3939

Details

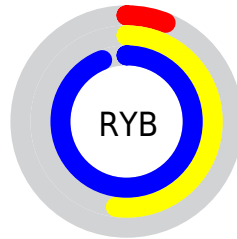
The XYZ color **44.6764, 67.7494, 80.5343** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light saturated cyan. A complement of this color would be **36.3692, 18.9734, 3.1153**, and the grayscale version is **38.5309, 40.5375, 44.1453**.

A 20% lighter version of the original color is **61.1461, 82.5219, 107.3133**, and **24.0014, 36.6941, 42.8635** is the 20% darker color. If you saturate the color by 10%, you get **44.3278, 67.5889, 79.7217**, and if you desaturate by 10%, it is **45.5651, 68.1806, 81.8610**.

Distribution



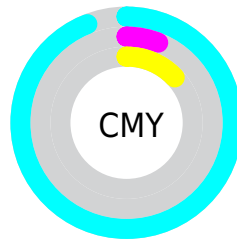
- Red (6%)
- Green (94%)
- Blue (87%)



- Red (6%)
- Yellow (52%)
- Blue (94%)



- Cyan (94%)
- Magenta (0%)
- Yellow (7%)
- Black (6%)




- Cyan (94%)
- Magenta (6%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 44.6764, 67.7494, 80.5343 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 44.6764, 67.7494, 80.5343 by changing the saturation by 10% instead.


 44.6764, 67.7494,
80.5343


 44.6764, 67.7494,
80.5343

356.2672,
452.6076, 516.4858


 31.4028, 49.6939,
59.6294


 81.4747, 115.9936,
135.9348

 21.0591, 35.1702,
42.6966


 105.7300,
146.9510, 171.2675


 13.2799, 23.7940,
29.3175


 134.3767,
182.9779, 212.2466

 7.6999, 15.1809,
19.0735

 167.7801,
224.4586, 259.2905

 3.9537, 8.9464,
11.5461

 206.3054,
271.7775, 312.8179

 1.6760, 4.7063,
6.3166

250.3182,

 0.4412, 2.0760,

325.3191, 373.2472

2.9667

300.1836,
385.4676, 440.9970

■ 0.0000, 0.6511,
1.0776

■ 0.0000, 0.0000,
0.0000

■ 44.6764, 67.7494,
80.5343

■ 44.6764, 67.7494,
80.5343

■ 44.3278, 67.5889,
79.7217

■ 45.5651, 68.1806,
81.8610

■ 47.0281, 68.9061,
83.2268

■ 49.1613, 69.9769,
84.6378

■ 52.0419, 71.4325,
86.0975

■ 55.7363, 73.3074,
87.6091

■ 60.3037, 75.6321,
89.1755

■ 65.7980, 78.4342,
90.7992

■ 72.2683, 81.7392,
92.4825

■ 79.7607, 85.5708,
94.2277

Harmonies

Analogous

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



46.1198, 67.7494, 50.6662



44.6764, 67.7494, 80.5343



47.9806, 67.7494, 117.8795

Triad

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



44.6764, 67.7494, 80.5343



78.3657, 67.7494, 138.4616



73.9234, 67.7494, 29.5026

Complementary

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



44.6764, 67.7494, 80.5343



36.3692, 18.9734, 3.1153

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.



84.1787, 67.7494, 42.3143



44.6764, 67.7494, 80.5343



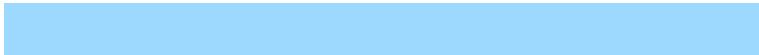
86.9511, 67.7494, 103.0001

Square

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



44.6764, 67.7494, 80.5343



66.7151, 67.7494, 157.1853



89.1964, 67.7494, 67.3909



62.1269, 67.7494, 26.7594

Rectangle

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



44.6764, 67.7494, 80.5343



52.6951, 67.7494, 140.2370



89.1964, 67.7494, 67.3909



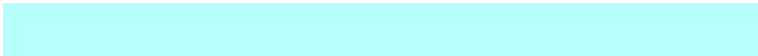
77.7072, 67.7494, 32.5366

Sweetspot

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



44.6784, 67.7520, 80.5359



72.6247, 88.5383, 103.3789



31.9006, 62.6934, 10.8734



14.9760, 18.6609, 21.9556



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.



44.6784, 67.7520, 80.5359



50.8608, 77.5603, 91.4396



26.2473, 27.0351, 86.2757



16.1928, 17.9071, 20.0382



24.2871, 37.0069, 43.7564



2.0357, 3.0847, 3.7204

Inverse Universe

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



36.3692, 18.9734, 3.1153



41.3599, 21.3080, 2.5613



41.4680, 29.4507, 3.9526



15.8213, 15.7782, 16.6150



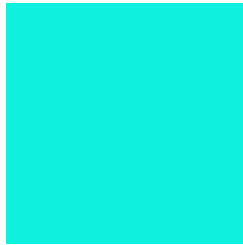
19.7499, 10.1724, 1.3336



1.6597, 0.8529, 0.1989

Previews

White Background



This preview shows how the XYZ color 44.6764, 67.7494, 80.5343 looks on a white background.

Color Contrast Check

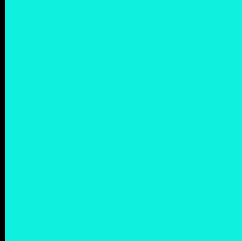
Large Text (above 18pt) WCAG AA × Fail

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 44.6764, 67.7494, 80.5343 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

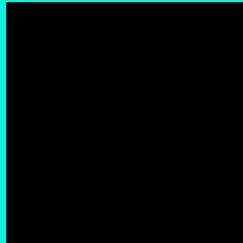
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

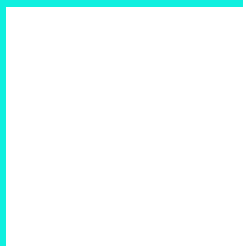
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 44.6764, 67.7494, 80.5343

Background



This preview shows how black text looks on a background with the XYZ color 44.6764, 67.7494, 80.5343.

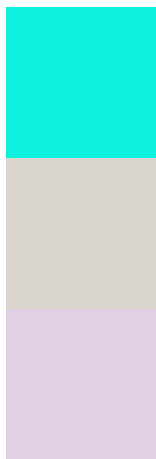


This preview shows how white text looks on a background with the XYZ color 44.6764, 67.7494,

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

44.6764, 67.7494, 80.5343

Protanopia

63.7194, 66.4974, 68.5084

Deuteranopia

67.6471, 66.3464, 84.1037



Tritanopia

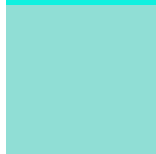
49.3426, 67.4720, 104.1887

Trichromacy



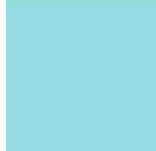
Original Color

44.6764, 67.7494, 80.5343



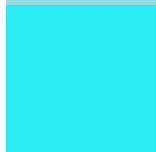
Protanomaly

49.6331, 62.9759, 72.4904



Deuteranomaly

51.5911, 62.5986, 82.0367



Tritanomaly

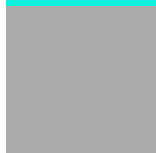
47.4167, 67.5317, 95.3298

Monochromacy



Original Color

44.6764, 67.7494, 80.5343



Achromatopsia

38.7082, 40.7240, 44.3485



Achromatomaly

35.9736, 46.7750, 55.8477

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.6764, 67.7494, 80.5343 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(15, 240, 223)` looks like.

```
.text, #text, p{  
    color:rgb(15, 240, 223)  
}
```

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(15, 240, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 240, 223) }
```

Border

The CSS property to change the border of an element to XYZ 44.6764, 67.7494, 80.5343 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(15, 240, 223) }
```


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

```
.border{ border-color:rgb(15, 240, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(15, 240, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 240, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 240, 223);  
box-shadow:4px 4px 4px 4px rgb(15, 240,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 44.6764, 67.7494, 80.5343 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 240, 223) }
```

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

```
.background{ background-color: rgb(15, 240,  
223) }
```

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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