

Converting Colors

XYZ(20.6992, 54.9227, 73.6011)

Have a look what the booklet for
XYZ(20.6992, 54.9227, 73.6011)
contains.

XYZ(43.1322, 66.6393, 74.8793)	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(43.1322, 66.6393,
74.8793)**

Conversions

Conversions Part 1

Format	Color
Hex	00EFD7
RGB	0, 239, 215
RGB Percent	0%, 94%, 84%
CMY	0.9998, 0.0627, 0.1569
CMYK	1.00, 0.00, 0.10, 0.06
HSL	174°, 100%, 47%
HSV	174°, 100%, 94%
XYZ	43.1322, 66.6393, 74.8793
YIQ	164.8030, -134.7400, -58.1320

Conversions

Conversions Part 2

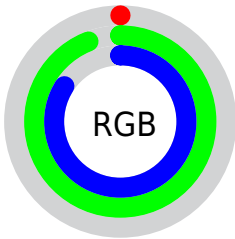
Format	Color
RYB	0, 126, 239
Decimal	61399
CIELab	85.32, -52.50, -1.84
CIELCh	85, 52.533, 182.010
Yxy	66.6393, 0.2336, 0.3609
Android (android.graphics.Color)	4278251479 (0xFF00EFD7)
YUV	164.8030, 24.7471, -144.5322
Hunter-Lab	81.6329, -48.5439, 2.7582

Details

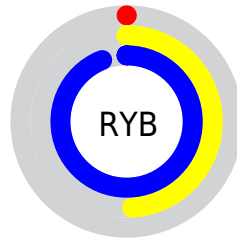
The XYZ color **43.1322, 66.6393, 74.8793** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **35.7637, 18.4186, 2.5371**, and the grayscale version is **35.6089, 37.4634, 40.7976**.

A 20% lighter version of the original color is **60.7494, 82.3174, 107.2948**, and **23.0731, 35.9940, 38.9892** is the 20% darker color. If you saturate the color by 10%, you get **43.1329, 66.6413, 74.8776**, and if you desaturate by 10%, it is **43.8198, 66.9594, 76.5353**.

Distribution



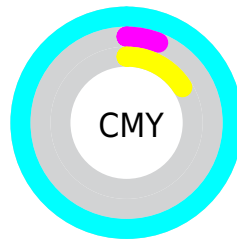
- Red (0%)
- Green (94%)
- Blue (84%)



- Red (0%)
- Yellow (49%)
- Blue (94%)



- Cyan (100%)
- Magenta (0%)
- Yellow (10%)
- Black (6%)





- Cyan (100%)
- Magenta (6%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 43.1322, 66.6393, 74.8793 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 43.1322, 66.6393, 74.8793 by changing the saturation by 10% instead.


 43.1322, 66.6393,
74.8793


 43.1322, 66.6393,
74.8793


350.0675,
448.6598, 496.7470


 30.1838, 48.7916,
55.0129


 79.1648, 114.4034,
127.8870

 20.1269, 34.4542,
39.0134


 102.9797,
145.0886, 161.8654


 12.5961, 23.2427,
26.4622


 131.1475,
180.8217, 201.3848

 7.2261, 14.7728,
16.9409

 164.0336,
221.9871, 246.8639

 3.6515, 8.6601,
10.0308

 202.0033,
268.9692, 298.7211

 1.5069, 4.5202,
5.3135

245.4219,

 0.3305, 1.9686,

322.1524, 357.3750

2.3704

294.6548,
381.9211, 423.2441

■ 0.0000, 0.5891,
0.7703

■ 0.0000, 0.0000,
0.0000

■ 43.1322, 66.6393,
74.8793

■ 43.1322, 66.6393,
74.8793

■ 43.1329, 66.6413,
74.8776

■ 43.8198, 66.9594,
76.5353

■ 44.9716, 67.5167,
78.2353

■ 46.7335, 68.3881,
79.9876

■ 49.1913, 69.6176,
81.7964

■ 52.4168, 71.2424,
83.6652

■ 56.4730, 73.2949,
85.5970

■ 61.4161, 75.8041,
87.5945

■ 67.2976, 78.7965,
89.6603

■ 74.1651, 82.2966,
91.7966

Harmonies

Analogous

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



45.2236, 66.6393, 45.9697



43.1322, 66.6393, 74.8793



45.8671, 66.6393, 113.0816

Triad

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



43.1322, 66.6393, 74.8793



76.2431, 66.6393, 143.4220



74.6825, 66.6393, 28.7468

Complementary

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



43.1322, 66.6393, 74.8793



35.7637, 18.4186, 2.5371

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.



84.7639, 66.6393, 43.0980



43.1322, 66.6393, 74.8793



85.7413, 66.6393, 107.8194

Square

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



43.1322, 66.6393, 74.8793



64.1438, 66.6393, 159.6077



89.0370, 66.6393, 70.2869



62.5403, 66.6393, 24.8310

Rectangle

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



43.1322, 66.6393, 74.8793



50.2860, 66.6393, 137.3413



89.0370, 66.6393, 70.2869



78.4746, 66.6393, 32.2301

Sweetspot

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



43.1341, 66.6418, 74.8809



71.0724, 87.7792, 101.4487



31.3447, 61.9811, 10.3129



14.6673, 18.5115, 21.5027



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.



43.1341, 66.6418, 74.8809



49.9569, 77.1988, 86.6798



26.0778, 27.2258, 85.5448



16.1749, 17.9000, 19.9441



23.8635, 36.8374, 41.5255



2.0048, 3.0724, 3.5578

Inverse Universe

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



35.7637, 18.4186, 2.5371



41.4222, 21.3329, 2.8892



39.3948, 25.9448, 2.9329



15.8373, 15.7846, 16.6995



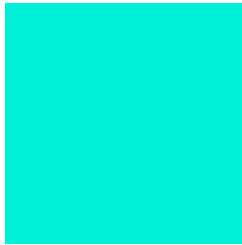
19.7843, 10.1861, 1.5148



1.6674, 0.8560, 0.2392

Previews

White Background



This preview shows how the XYZ color 43.1322, 66.6393, 74.8793 looks on a white background.

Color Contrast Check

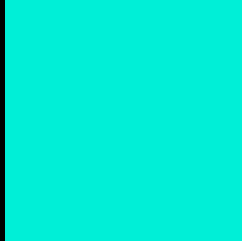
Large Text (above 18pt) WCAG AA × Fail

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 43.1322, 66.6393, 74.8793 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

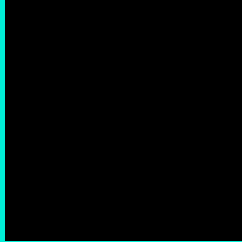
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

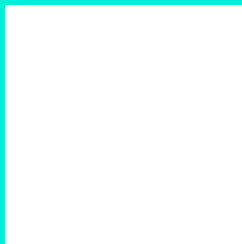
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 43.1322, 66.6393, 74.8793

Background



This preview shows how black text looks on a background with the XYZ color 43.1322, 66.6393, 74.8793.



This preview shows how white text looks on a background with the XYZ color 43.1322, 66.6393,

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

43.1322, 66.6393, 74.8793

Protanopia

62.2688, 65.1221, 63.3207

Deuteranopia

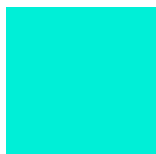
66.6947, 65.2675, 78.1899



Tritanopia

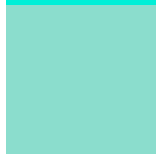
49.0769, 66.9296, 103.2606

Trichromacy



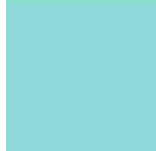
Original Color

43.1322, 66.6393, 74.8793



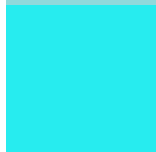
Protanomaly

47.5234, 61.6096, 67.1447



Deuteranomaly

49.1006, 60.6695, 76.1403



Tritanomaly

46.4121, 66.6542, 92.0807

Monochromacy



Original Color

43.1322, 66.6393, 74.8793



Achromatopsia

35.7637, 37.6262, 40.9749



Achromatomaly

33.2226, 44.1214, 51.5650

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.1322, 66.6393, 74.8793 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, 239, 215)` looks like.

```
.text, #text, p{  
    color:rgb(0, 239, 215)  
}
```

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, 239, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 239, 215) }
```

Border

The CSS property to change the border of an element to XYZ 43.1322, 66.6393, 74.8793 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, 239, 215) }
```


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

```
.border{ border-color:rgb(0, 239, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 239, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 239, 215); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 239, 215); box-shadow:4px 4px 4px 4px rgb(0, 239, 215) }
```

Background

The CSS property to change the background color of an element to XYZ 43.1322, 66.6393, 74.8793 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 239, 215) }
```

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

```
.background{ background-color: rgb(0, 239,  
215) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor