

Converting Colors

XYZ(32.8135, 56.3265, 38.0900)

Have a look what the booklet for
XYZ(32.8135, 56.3265, 38.0900)
contains.

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Color

**XYZ(32.7395, 56.2119,
37.9786)**

Conversions

Conversions Part 1

Format	Color
Hex	15E196
RGB	21, 225, 150
RGB Percent	8%, 88%, 59%
CMY	0.9176, 0.1176, 0.4118
CMYK	0.91, 0.00, 0.33, 0.12
HSL	158°, 83%, 48%
HSV	158°, 91%, 88%
XYZ	32.7395, 56.2119, 37.9786
YIQ	155.4540, -97.5090, -66.5730

Conversions

Conversions Part 2

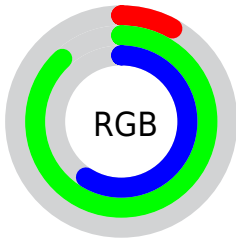
Format	Color
R_{YB}	21, 146, 225
Decimal	1434006
CIE _{Lab}	79.73, -62.15, 24.27
CIE _{LCh}	80, 66.725, 158.667
Yxy	56.2119, 0.2579, 0.4429
Android (android.graphics.Color)	4279624086 (0xFF15E196)
YUV	155.4540, -2.6888, -117.9162
Hunter-Lab	74.9746, -53.2591, 22.4487

Details

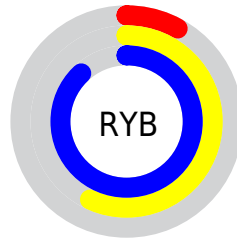
The XYZ color **32.7395, 56.2119, 37.9786** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **33.4329, 17.3898, 12.6642**, and the grayscale version is **31.4020, 33.0373, 35.9777**.

A 20% lighter version of the original color is **53.3350, 79.3073, 70.2544**, and **16.2548, 28.9061, 16.5271** is the 20% darker color. If you saturate the color by 10%, you get **31.8295, 55.8138, 34.7957**, and if you desaturate by 10%, it is **34.1394, 56.8553, 41.6468**.

Distribution



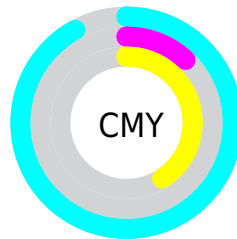
- Red (8%)
- Green (88%)
- Blue (59%)



- Red (8%)
- Yellow (57%)
- Blue (88%)



- Cyan (91%)
- Magenta (0%)
- Yellow (33%)
- Black (12%)





- Cyan (92%)
- Magenta (12%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.7395, 56.2119, 37.9786 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 32.7395, 56.2119, 37.9786 by changing the saturation by 10% instead.


 32.7395, 56.2119,
37.9786


 32.7395, 56.2119,
37.9786


306.1601,
410.4896, 352.8236


 22.0852, 40.3728,
25.6644


 63.3260, 99.3143,
73.2784


 14.0365, 27.8294,
16.3492


 83.9890, 127.3465,
97.1010


 8.2279, 18.1971,
9.6146


 108.7189,
160.2118, 125.5969

 4.2942, 11.0916,
5.0419

 137.8811,
198.2947, 159.1846

 1.8699, 6.1285,
2.2127

 171.8410,
241.9795, 198.2825

 0.5592, 2.9233,
0.6817

210.9638,

 0.0000, 1.0918,

291.6507, 243.3093

0.0000

255.6151,
347.6926, 294.6835

■ 0.0000, 0.0000,
0.0000

■ 32.7395, 56.2119,
37.9786

■ 32.7395, 56.2119,
37.9786

■ 31.8295, 55.8138,
34.7957

■ 34.1394, 56.8553,
41.6468

■ 36.1072, 57.7845,
45.5909

■ 38.7198, 59.0405,
49.8203

■ 42.0405, 60.6557,
54.3426

■ 46.1249, 62.6587,
59.1649

■ 51.0226, 65.0752,
64.2940

■ 56.7791, 67.9283,
69.7363

■ 63.4364, 71.2396,
75.4978

■ 71.0336, 75.0292,
81.5845

Harmonies

Analogous

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



38.8154, 56.2119, 19.6178



32.7395, 56.2119, 37.9786



31.6834, 56.2119, 73.0853

Triad

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



32.7395, 56.2119, 37.9786



57.4291, 56.2119, 167.8156



76.3266, 56.2119, 25.5563

Complementary

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



32.7395, 56.2119, 37.9786



33.4329, 17.3898, 12.6642

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.



83.3636, 56.2119, 50.6877



32.7395, 56.2119, 37.9786



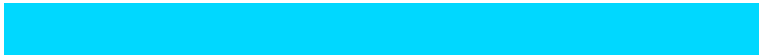
71.3120, 56.2119, 139.3784

Square

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



32.7395, 56.2119, 37.9786



44.5428, 56.2119, 159.6487



81.3885, 56.2119, 92.3741



63.4219, 56.2119, 14.8317

Rectangle

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



32.7395, 56.2119, 37.9786



33.7607, 56.2119, 104.1643



81.3885, 56.2119, 92.3741



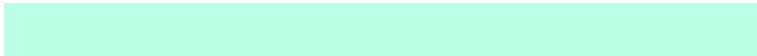
79.5477, 56.2119, 32.0564

Sweetspot

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



32.7410, 56.2141, 37.9799



70.2850, 87.6734, 87.8501



32.2302, 56.5711, 9.9307



14.5091, 18.5010, 18.2817



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.



32.7410, 56.2141, 37.9799



42.2146, 74.1018, 45.9093



34.8351, 47.4649, 78.5625



13.8916, 15.4824, 16.4645



18.3990, 32.1845, 20.3561



1.3180, 2.2479, 1.6358

Inverse Universe

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



33.4329, 17.3898, 12.6642



43.2494, 22.0638, 12.5116



32.1192, 17.9248, 2.4770



13.9145, 13.7834, 15.3201



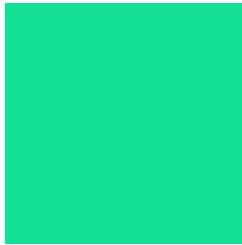
18.8384, 9.6024, 5.8149



1.3479, 0.6824, 0.6250

Previews

White Background



This preview shows how the XYZ color 32.7395, 56.2119, 37.9786 looks on a white background.

Color Contrast Check

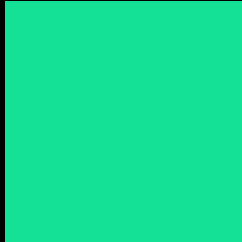
Large Text (above 18pt) WCAG AA × Fail

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 32.7395, 56.2119, 37.9786 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

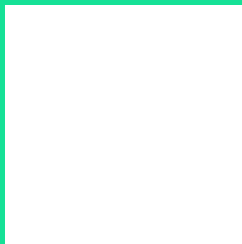
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.7395, 56.2119, 37.9786

Background



This preview shows how black text looks on a background with the XYZ color 32.7395, 56.2119, 37.9786.

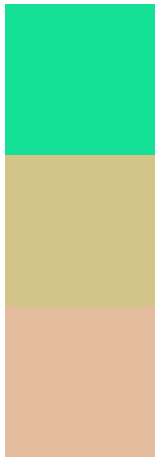


This preview shows how white text looks on a background with the XYZ color 32.7395, 56.2119,

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

32.7395, 56.2119, 37.9786

Protanopia

51.1193, 55.1349, 31.6147

Deuteranopia

56.1497, 54.9290, 39.9907



Tritanopia

42.1742, 56.1325, 84.9558

Trichromacy



Original Color

32.7395, 56.2119, 37.9786



Protanomaly

38.3506, 52.3294, 33.6705



Deuteranomaly

39.9399, 50.9122, 38.7323



Tritanomaly

37.7958, 55.8571, 64.6666

Monochromacy



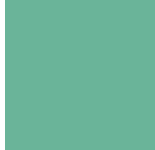
Original Color

32.7395, 56.2119, 37.9786



Achromatopsia

31.1553, 32.7778, 35.6950



Achromatomaly

28.0149, 38.0066, 35.9965

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.7395, 56.2119, 37.9786 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, 225, 150)` looks like.

```
.text, #text, p{  
    color:rgb(21, 225, 150)  
}
```

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, 225, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 225, 150) }
```

Border

The CSS property to change the border of an element to XYZ 32.7395, 56.2119, 37.9786 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, 225, 150) }
```


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

```
.border{ border-color:rgb(21, 225, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 225, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 225, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 225, 150);  
box-shadow:4px 4px 4px 4px rgb(21, 225,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 32.7395, 56.2119, 37.9786 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 225, 150) }
```

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

```
.background{ background-color: rgb(21, 225,  
150) }
```

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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