

Converting Colors

XYZ(24.2256, 39.5283, 34.3699)

Have a look what the booklet for
XYZ(24.2256, 39.5283, 34.3699)
contains.

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Color

**XYZ(24.2256, 39.5283,
34.3699)**

Conversions

Conversions Part 1

Format	Color
Hex	12BF94
RGB	18, 191, 148
RGB Percent	7%, 75%, 58%
CMY	0.9293, 0.2510, 0.4196
CMYK	0.91, 0.00, 0.23, 0.25
HSL	165°, 83%, 41%
HSV	165°, 91%, 75%
XYZ	24.2256, 39.5283, 34.3699
YIQ	134.3710, -89.3050, -50.0490

Conversions

Conversions Part 2

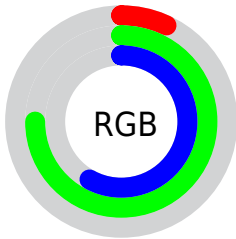
Format	Color
RYB	18, 117, 191
Decimal	1228692
CIELab	69.13, -49.93, 10.60
CIELCh	69, 51.046, 168.011
Yxy	39.5283, 0.2469, 0.4028
Android (android.graphics.Color)	4279418772 (0xFF12BF94)
YUV	134.3710, 6.7191, -102.0574
Hunter-Lab	62.8715, -41.2457, 11.5981

Details

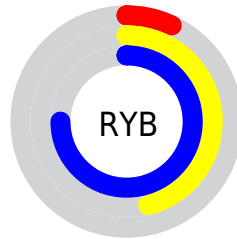
The XYZ color **24.2256, 39.5283, 34.3699** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **22.5461, 11.8471, 5.5161**, and the grayscale version is **22.7987, 23.9860, 26.1207**.

A 20% lighter version of the original color is **49.7076, 74.2239, 67.5839**, and **10.9618, 18.4714, 14.2968** is the 20% darker color. If you saturate the color by 10%, you get **23.6291, 39.2619, 32.5275**, and if you desaturate by 10%, it is **25.1278, 39.9501, 36.4155**.

Distribution



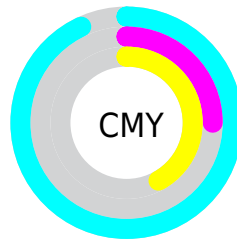
- Red (7%)
- Green (75%)
- Blue (58%)



- Red (7%)
- Yellow (46%)
- Blue (75%)



- Cyan (91%)
- Magenta (0%)
- Yellow (23%)
- Black (25%)





- Cyan (93%)
- Magenta (25%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.2256, 39.5283, 34.3699 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 24.2256, 39.5283, 34.3699 by changing the saturation by 10% instead.


 24.2256, 39.5283,
34.3699


 24.2256, 39.5283,
34.3699


266.3784,
344.1314, 336.5977


 15.6267, 27.1710,
22.8983


 49.8501, 74.4447,
67.6489


 9.3496, 17.7017,
14.3138


 67.6064, 97.7725,
90.2934


 5.0288, 10.7360,
8.1980


 89.1459, 125.5260,
117.4992

 2.2991, 5.8896,
4.1323

 114.8339,
158.0895, 149.6850

 0.7942, 2.7781,
1.6982

 145.0358,
195.8473, 187.2691

 0.0000, 1.0170,
0.3595

180.1170,

 0.0000, 0.0000,

239.1840, 230.6703

0.0000

220.4427,
288.4839, 280.3069

■ 24.2256, 39.5283,
34.3699

■ 24.2256, 39.5283,
34.3699

■ 23.6291, 39.2619,
32.5275

■ 25.1278, 39.9501,
36.4155

■ 26.4030, 40.5613,
38.5591

■ 28.1016, 41.3891,
40.8049

■ 30.2652, 42.4546,
43.1557

■ 32.9303, 43.7769,
45.6141

■ 36.1296, 45.3726,
48.1825

■ 39.8931, 47.2574,
50.8632

■ 44.2486, 49.4453,
53.6584

■ 49.2218, 51.9498,
56.5700

Harmonies

Analogous

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



27.0799, 39.5283, 19.4466



24.2256, 39.5283, 34.3699



24.5452, 39.5283, 58.4709

Triad

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



24.2256, 39.5283, 34.3699



42.6301, 39.5283, 101.4234



49.0660, 39.5283, 17.5475

Complementary

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



24.2256, 39.5283, 34.3699



22.5461, 11.8471, 5.5161

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.



54.5409, 39.5283, 30.5945



24.2256, 39.5283, 34.3699



50.4710, 39.5283, 80.6105

Square

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



24.2256, 39.5283, 34.3699



34.4069, 39.5283, 103.6013



55.0894, 39.5283, 53.0569



40.9223, 39.5283, 12.3632

Rectangle

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



24.2256, 39.5283, 34.3699



26.5215, 39.5283, 77.0374



55.0894, 39.5283, 53.0569



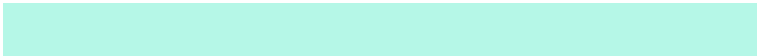
51.3273, 39.5283, 20.8863

Sweetspot

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



24.2267, 39.5298, 34.3708



66.7105, 82.2624, 87.7773



20.6816, 38.3072, 6.8771



14.1656, 17.8223, 18.9163



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



24.2267, 39.5298, 34.3708



42.2162, 70.2751, 57.7172



20.2059, 24.9941, 53.0513



9.7045, 10.7679, 11.6932



15.5616, 25.8149, 21.5520



0.6342, 1.0210, 0.9739

Inverse Universe

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



22.5461, 11.8471, 5.5161



39.3368, 20.1801, 6.3059



23.2789, 14.4863, 2.1423



9.6248, 9.5742, 10.4134



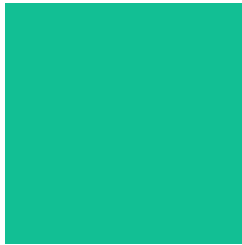
14.4915, 7.4277, 2.6156



0.5948, 0.3018, 0.2453

Previews

White Background



This preview shows how the XYZ color 24.2256, 39.5283, 34.3699 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 24.2256, 39.5283, 34.3699 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 24.2256, 39.5283, 34.3699

Background



This preview shows how black text looks on a background with the XYZ color 24.2256, 39.5283, 34.3699.

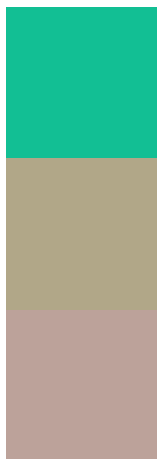


This preview shows how white text looks on a background with the XYZ color 24.2256, 39.5283,

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

24.2256, 39.5283, 34.3699

Protanopia

36.3941, 38.7621, 28.8562

Deuteranopia

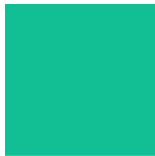
39.4921, 38.8651, 35.9921



Tritanopia

29.3738, 39.3966, 60.0890

Trichromacy



Original Color

24.2256, 39.5283, 34.3699



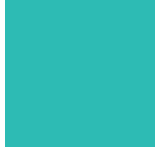
Protanomaly

27.8667, 36.8661, 30.4581



Deuteranomaly

29.2153, 36.5898, 35.2285



Tritanomaly

27.0907, 39.3938, 49.3560

Monochromacy



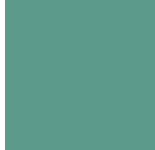
Original Color

24.2256, 39.5283, 34.3699



Achromatopsia

22.6597, 23.8398, 25.9615



Achromatomaly

20.7952, 27.5821, 28.6539

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.2256, 39.5283, 34.3699 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(18, 191, 148)` looks like.

```
.text, #text, p{  
    color:rgb(18, 191, 148)  
}
```

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(18, 191, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 191, 148) }
```

Border

The CSS property to change the border of an element to XYZ 24.2256, 39.5283, 34.3699 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(18, 191, 148) }
```


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

```
.border{ border-color:rgb(18, 191, 148) }
```

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

Here you see how a box with a 4 pixel rgb(18, 191, 148) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 191, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 191, 148);  
box-shadow:4px 4px 4px 4px rgb(18, 191,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 24.2256, 39.5283, 34.3699 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 191, 148) }
```

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

```
.background{ background-color: rgb(18, 191,  
148) }
```

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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