

Converting Colors

XYZ(19.6682, 33.6803, 23.1016)

Have a look what the booklet for
XYZ(19.6682, 33.6803, 23.1016)
contains.

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Color

**XYZ(19.6914, 33.6896,
23.2342)**

Conversions

Conversions Part 1

Format	Color
Hex	0EB378
RGB	14, 179, 120
RGB Percent	5%, 70%, 47%
CMY	0.9450, 0.2980, 0.5294
CMYK	0.92, 0.00, 0.33, 0.30
HSL	159°, 85%, 38%
HSV	159°, 92%, 70%
XYZ	19.6914, 33.6896, 23.2342
YIQ	122.9390, -79.4010, -53.3290

Conversions

Conversions Part 2

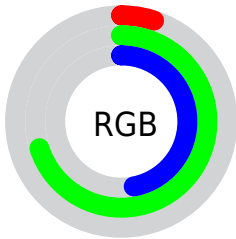
Format	Color
RYB	14, 114, 179
Decimal	963448
CIELab	64.72, -52.05, 19.65
CIELCh	65, 55.639, 159.318
Yxy	33.6896, 0.2570, 0.4397
Android (android.graphics.Color)	4279153528 (0xFF0EB378)
YUV	122.9390, -1.4489, -95.5395
Hunter-Lab	58.0427, -41.0174, 16.8964

Details

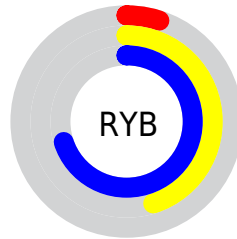
The XYZ color **19.6914, 33.6896, 23.2342** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **19.9515, 10.3798, 7.2581**, and the grayscale version is **18.8319, 19.8127, 21.5760**.

A 20% lighter version of the original color is **42.4680, 65.5494, 49.9492**, and **8.4709, 15.1222, 8.4336** is the 20% darker color. If you saturate the color by 10%, you get **19.2146, 33.4789, 21.6659**, and if you desaturate by 10%, it is **20.5057, 34.0639, 25.3695**.

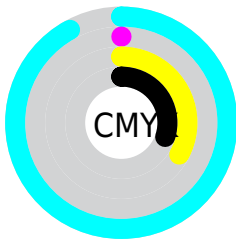
Distribution



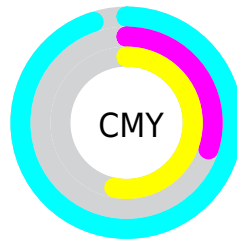
- Red (5%)
- Green (70%)
- Blue (47%)



- Red (5%)
- Yellow (45%)
- Blue (70%)



- Cyan (92%)
- Magenta (0%)
- Yellow (33%)
- Black (30%)





- Cyan (95%)
- Magenta (30%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.6914, 33.6896, 23.2342 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 19.6914, 33.6896, 23.2342 by changing the saturation by 10% instead.


 19.6914, 33.6896,
23.2342


 19.6914, 33.6896,
23.2342


243.1051,
318.7458, 282.0864


 12.2779, 22.6552,
14.5596


 42.4071, 65.4507,
49.7057


 7.0068, 14.3392,
8.3677

 58.4400, 86.9462,
68.3396


 3.5127, 8.3569,
4.2400


 78.0767, 112.6976,
91.1304

 1.4303, 4.3242,
1.7579

 101.6826,
143.0891, 118.4966

 0.2777, 1.8565,
0.4000

 129.6230,
178.5054, 150.8568

 0.0000, 0.5220,
0.0000

 162.2633,

 0.0000, 0.0000,

219.3306, 188.6295

0.0000

199.9689,
265.9493, 232.2332

■ 19.6914, 33.6896,
23.2342

■ 19.6914, 33.6896,
23.2342

■ 19.2146, 33.4789,
21.6659

■ 20.5057, 34.0639,
25.3695

■ 21.6471, 34.6028,
27.6576

■ 23.1601, 35.3302,
30.1037

■ 25.0810, 36.2647,
32.7120

■ 27.4418, 37.4228,
35.4863

■ 30.2713, 38.8192,
38.4303

■ 33.5956, 40.4674,
41.5475

■ 37.4388, 42.3797,
44.8411

■ 41.8235, 44.5678,
48.3145

Harmonies

Analogous

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



23.2398, 33.6896, 12.0868



19.6914, 33.6896, 23.2342



19.1275, 33.6896, 44.2775

Triad

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



19.6914, 33.6896, 23.2342



34.5735, 33.6896, 99.4816



45.4373, 33.6896, 15.2701

Complementary

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



19.6914, 33.6896, 23.2342



19.9515, 10.3798, 7.2581

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.



49.6993, 33.6896, 30.0094



19.6914, 33.6896, 23.2342



42.7749, 33.6896, 82.3343

Square

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



19.6914, 33.6896, 23.2342



26.8959, 33.6896, 95.1609



48.6513, 33.6896, 54.5186



37.7589, 33.6896, 8.9968

Rectangle

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



19.6914, 33.6896, 23.2342



20.4070, 33.6896, 62.7192



48.6513, 33.6896, 54.5186



47.3705, 33.6896, 19.0807

Sweetspot

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



19.6923, 33.6909, 23.2350



56.3088, 70.5594, 70.8529



19.0636, 33.7493, 5.9255



11.9408, 15.3679, 15.1789



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



19.6923, 33.6909, 23.2350



34.3008, 59.9134, 38.2183



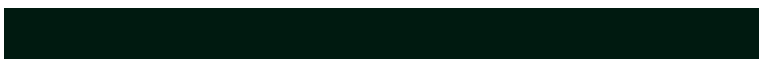
20.3761, 27.4637, 46.8764



8.6111, 9.5789, 10.2115



13.6094, 23.6697, 15.4776



0.4548, 0.7554, 0.6271

Inverse Universe

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



19.9515, 10.3798, 7.2581



34.8556, 17.7884, 9.7766



19.3017, 10.8784, 1.4984



8.6177, 8.5538, 9.4854



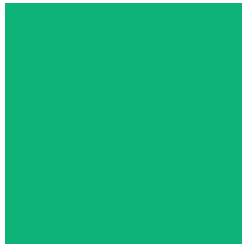
13.8196, 7.0454, 4.2101



0.4633, 0.2331, 0.2824

Previews

White Background



This preview shows how the XYZ color 19.6914, 33.6896, 23.2342 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 19.6914, 33.6896, 23.2342 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 19.6914, 33.6896, 23.2342

Background



This preview shows how black text looks on a background with the XYZ color 19.6914, 33.6896, 23.2342.



This preview shows how white text looks on a background with the XYZ color 19.6914, 33.6896,

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

19.6914, 33.6896, 23.2342

Protanopia

30.8514, 33.2276, 19.5394

Deuteranopia

33.7932, 33.1688, 24.6998



Tritanopia

25.3698, 33.6854, 51.0637

Trichromacy



Original Color

19.6914, 33.6896, 23.2342



Protanomaly

22.9948, 31.2106, 20.7319



Deuteranomaly

24.1287, 30.9380, 23.7687



Tritanomaly

22.6513, 33.4032, 38.9718

Monochromacy



Original Color

19.6914, 33.6896, 23.2342



Achromatopsia

18.8265, 19.8069, 21.5697



Achromatomaly

16.9026, 22.8891, 21.9395

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.6914, 33.6896, 23.2342 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(14, 179, 120)` looks like.

```
.text, #text, p{  
    color:rgb(14, 179, 120)  
}
```

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(14, 179, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(14, 179, 120) }
```

Border

The CSS property to change the border of an element to XYZ 19.6914, 33.6896, 23.2342 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(14, 179, 120) }
```


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

```
.border{ border-color:rgb(14, 179, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(14, 179, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(14, 179, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(14, 179, 120);  
box-shadow:4px 4px 4px 4px rgb(14, 179,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 19.6914, 33.6896, 23.2342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(14, 179, 120) }
```

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

```
.background{ background-color: rgb(14, 179,  
120) }
```

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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