

Converting Colors

XYZ(21.0662, 32.9119, 20.0548)

Have a look what the booklet for
XYZ(21.0662, 32.9119, 20.0548)
contains.

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Color

**XYZ(21.0924, 33.0176,
20.0132)**

Conversions

Conversions Part 1

Format	Color
Hex	4EAE6E
RGB	78, 174, 110
RGB Percent	31%, 68%, 43%
CMY	0.6941, 0.3176, 0.5686
CMYK	0.55, 0.00, 0.37, 0.32
HSL	140°, 38%, 49%
HSV	140°, 55%, 68%
XYZ	21.0924, 33.0176, 20.0132
YIQ	138.0000, -36.6720, -40.2560

Conversions

Conversions Part 2

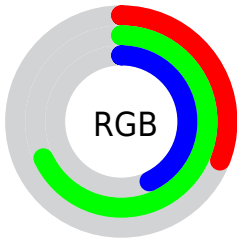
Format	Color
RYB	78, 150, 174
Decimal	5156462
CIELab	64.18, -42.87, 24.52
CIELCh	64, 49.385, 150.233
Yxy	33.0176, 0.2846, 0.4454
Android (android.graphics.Color)	4283346542 (0xFF4EAE6E)
YUV	138.0000, -13.8040, -52.6200
Hunter-Lab	57.4609, -35.0340, 19.5724

Details

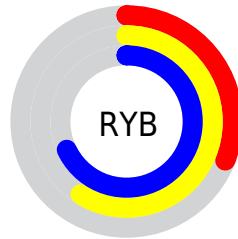
The XYZ color **21.0924, 33.0176, 20.0132** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **25.0635, 16.4011, 27.4370**, and the grayscale version is **24.2192, 25.4805, 27.7482**.

A 20% lighter version of the original color is **44.6499, 64.2706, 44.2346**, and **7.7548, 14.0504, 6.7182** is the 20% darker color. If you saturate the color by 10%, you get **19.2603, 32.1423, 16.8439**, and if you desaturate by 10%, it is **23.3861, 34.1231, 23.6372**.

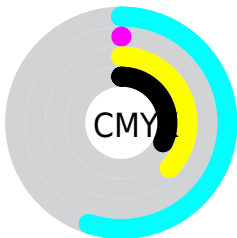
Distribution



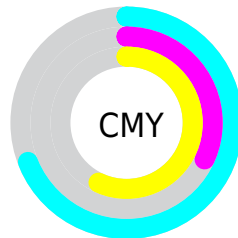
- Red (31%)
- Green (68%)
- Blue (43%)



- Red (31%)
- Yellow (59%)
- Blue (68%)



- Cyan (55%)
- Magenta (0%)
- Yellow (37%)
- Black (32%)



- Cyan (69%)
- Magenta (32%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.0924, 33.0176, 20.0132 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 21.0924, 33.0176, 20.0132 by changing the saturation by 10% instead.

■ 21.0924, 33.0176,
20.0132

■ 21.0924, 33.0176,
20.0132

250.4916,
315.7290, 264.5932

■ 13.3044, 22.1399,
12.2205

■ 44.7314, 64.4030,
44.2986

■ 7.7169, 13.9598,
6.7696

■ 61.3131, 85.6795,
61.6283

■ 3.9646, 8.0927,
3.2422

■ 81.5567, 111.1911,
82.9741

■ 1.6821, 4.1543,
1.2196

■ 105.8277,
141.3222, 108.7545

■ 0.4451, 1.7603,
0.0000

■ 134.4913,
176.4571, 139.3881

■ 0.0000, 0.4622,
0.0000

167.9129,

■ 0.0000, 0.0000,

216.9803, 175.2934

0.0000

206.4579,
263.2761, 216.8889

■ 21.0924, 33.0176,
20.0132

■ 21.0924, 33.0176,
20.0132

■ 19.2603, 32.1423,
16.8439

■ 23.3861, 34.1231,
23.6372

■ 17.8536, 31.4762,
14.1089

■ 26.1689, 35.4700,
27.7308

■ 16.8345, 31.0011,
11.7893

■ 29.4693, 37.0735,
32.3110

■ 16.1559, 30.6932,
9.8640

■ 33.3126, 38.9462,
37.3932

■ 15.9004, 30.5789,
9.0674

■ 37.7225, 41.1003,
42.9922

■ 42.7213, 43.5468,
49.1221

■ 48.3301, 46.2963,
55.7965

■ 54.5687, 49.3588,
63.0285

■ 61.4564, 52.7440,
70.8307

Harmonies

Analogous

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



25.0838, 33.0176, 11.8786



21.0924, 33.0176, 20.0132



19.7594, 33.0176, 36.1072

Triad

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



21.0924, 33.0176, 20.0132



31.4369, 33.0176, 89.8858



44.5005, 33.0176, 19.8304

Complementary

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



21.0924, 33.0176, 20.0132



25.0635, 16.4011, 27.4370

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.



46.8502, 33.0176, 35.7943



21.0924, 33.0176, 20.0132



38.6556, 33.0176, 80.5737

Square

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



21.0924, 33.0176, 20.0132



25.1654, 33.0176, 80.8420



44.5695, 33.0176, 58.6741



38.5469, 33.0176, 11.8040

Rectangle

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



21.0924, 33.0176, 20.0132



20.3755, 33.0176, 50.9900



44.5695, 33.0176, 58.6741



45.7743, 33.0176, 24.2038

Sweetspot

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



21.0932, 33.0190, 20.0139



58.8549, 69.8769, 65.7853



27.9442, 36.7170, 12.8222



12.7697, 15.3790, 14.2129



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



21.0932, 33.0190, 20.0139



34.3659, 58.0301, 29.4997



24.3136, 34.3071, 36.9721



8.0105, 8.9818, 9.0803



11.5573, 22.1882, 6.7082



0.3473, 0.6276, 0.3225

Inverse Universe

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



25.0635, 16.4011, 27.4370



42.2660, 24.8285, 44.1707



22.2738, 15.2852, 12.7468



8.2218, 8.1020, 9.4790



14.9755, 7.4527, 12.7821



0.4406, 0.2169, 0.4819

Previews

White Background



This preview shows how the XYZ color 21.0924, 33.0176, 20.0132 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 21.0924, 33.0176, 20.0132 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 21.0924, 33.0176, 20.0132

Background



This preview shows how black text looks on a background with the XYZ color 21.0924, 33.0176, 20.0132.



This preview shows how white text looks on a background with the XYZ color 21.0924, 33.0176,

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

21.0924, 33.0176, 20.0132

Protanopia

30.1023, 32.3953, 17.2367

Deuteranopia

33.0337, 32.3858, 21.0330



Tritanopia

26.7027, 33.0685, 47.6233

Trichromacy



Original Color

21.0924, 33.0176, 20.0132



Protanomaly

25.2863, 31.6606, 18.1430



Deuteranomaly

26.5958, 31.2581, 20.5513



Tritanomaly

24.2372, 32.8827, 35.6414

Monochromacy



Original Color

21.0924, 33.0176, 20.0132



Achromatopsia

24.1572, 25.4152, 27.6772



Achromatomaly

22.1653, 27.4047, 24.5435

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.0924, 33.0176, 20.0132 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(78, 174, 110)` looks like.

```
.text, #text, p{  
    color:rgb(78, 174, 110)  
}
```

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(78, 174, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 174, 110) }
```

Border

The CSS property to change the border of an element to XYZ 21.0924, 33.0176, 20.0132 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(78, 174, 110) }
```


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

```
.border{ border-color:rgb(78, 174, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 174, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 174, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 174, 110);  
box-shadow:4px 4px 4px 4px rgb(78, 174,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 21.0924, 33.0176, 20.0132 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 174, 110) }
```

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

```
.background{ background-color: rgb(78, 174,  
110) }
```

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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