

Converting Colors

XYZ(19.2629, 32.5349, 20.4653)

Have a look what the booklet for
XYZ(19.2629, 32.5349, 20.4653)
contains.

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Color

**XYZ(19.3644, 32.6919,
20.6188)**

Conversions

Conversions Part 1

Format	Color
Hex	29B070
RGB	41, 176, 112
RGB Percent	16%, 69%, 44%
CMY	0.8392, 0.3098, 0.5608
CMYK	0.77, 0.00, 0.36, 0.31
HSL	152°, 62%, 43%
HSV	152°, 77%, 69%
XYZ	19.3644, 32.6919, 20.6188
YIQ	128.3390, -59.9160, -48.5240

Conversions

Conversions Part 2

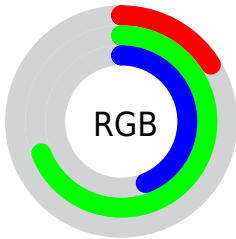
Format	Color
RYB	41, 129, 176
Decimal	2732144
CIELab	63.91, -50.23, 22.93
CIELCh	64, 55.217, 155.467
Yxy	32.6919, 0.2665, 0.4498
Android (android.graphics.Color)	4280922224 (0xFF29B070)
YUV	128.3390, -8.0551, -76.5963
Hunter-Lab	57.1768, -39.6059, 18.6429

Details

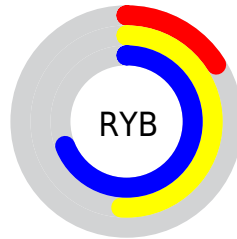
The XYZ color **19.3644, 32.6919, 20.6188** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **21.2483, 11.8366, 14.5307**, and the grayscale version is **20.6785, 21.7554, 23.6916**.

A 20% lighter version of the original color is **41.9032, 64.0840, 45.2829**, and **7.8567, 14.2779, 7.0445** is the 20% darker color. If you saturate the color by 10%, you get **18.3699, 32.2313, 18.2588**, and if you desaturate by 10%, it is **20.7174, 33.3341, 23.2218**.

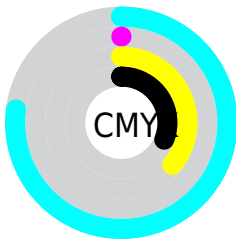
Distribution



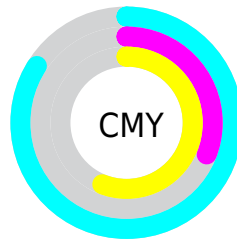
- Red (16%)
- Green (69%)
- Blue (44%)



- Red (16%)
- Yellow (51%)
- Blue (69%)



- Cyan (77%)
- Magenta (0%)
- Yellow (36%)
- Black (31%)



- Cyan (84%)
- Magenta (31%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.3644, 32.6919, 20.6188 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 19.3644, 32.6919, 20.6188 by changing the saturation by 10% instead.

■ 19.3644, 32.6919,
20.6188

■ 19.3644, 32.6919,
20.6188

241.3528,
314.2591, 267.9598

■ 12.0394, 21.8905,
12.6571

■ 41.8611, 63.8942,
45.3248

■ 6.8429, 13.7765,
7.0649

■ 57.7635, 85.0639,
62.9061

■ 3.4095, 7.9654,
3.4237

■ 77.2558, 110.4586,
84.5312

■ 1.3738, 4.0728,
1.3148

■ 100.7033,
140.4625, 110.6184

■ 0.2375, 1.7144,
0.0739

■ 128.4714,
175.4601, 141.5863

■ 0.0000, 0.4329,
0.0000

160.9255,

■ 0.0000, 0.0000,

215.8358, 177.8535

0.0000

198.4308,
261.9740, 219.8385

■ 19.3644, 32.6919,
20.6188

■ 19.3644, 32.6919,
20.6188

■ 18.3699, 32.2313,
18.2588

■ 20.7174, 33.3341,
23.2218

■ 17.6784, 31.9212,
16.1311

■ 22.4645, 34.1735,
26.0731

■ 17.4824, 31.8344,
15.4779

■ 24.6398, 35.2283,
29.1808

■ 27.2726, 36.5137,
32.5516

■ 30.3896, 38.0432,
36.1920

■ 34.0154, 39.8294,
40.1083

■ 38.1728, 41.8841,
44.3064

■ 42.8834, 44.2180,
48.7923

■ 48.1672, 46.8417,
53.5715

Harmonies

Analogous

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



23.1835, 32.6919, 10.8792



19.3644, 32.6919, 20.6188



18.4447, 32.6919, 39.8309

Triad

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



19.3644, 32.6919, 20.6188



32.5182, 32.6919, 97.4546



44.9016, 32.6919, 16.0905

Complementary

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



19.3644, 32.6919, 20.6188



21.2483, 11.8366, 14.5307

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.



48.4483, 32.6919, 31.6723



19.3644, 32.6919, 20.6188



40.5749, 32.6919, 83.0672

Square

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



19.3644, 32.6919, 20.6188



25.2717, 32.6919, 90.4491



46.7460, 32.6919, 56.4872



37.6997, 32.6919, 9.1320

Rectangle

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



19.3644, 32.6919, 20.6188



19.4396, 32.6919, 57.3516



46.7460, 32.6919, 56.4872



46.6110, 32.6919, 20.1826

Sweetspot

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



19.3652, 32.6932, 20.6196



57.1807, 70.0119, 67.9261



21.9002, 34.2917, 7.5629



11.9131, 14.9371, 14.1898



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.



19.3652, 32.6932, 20.6196



32.4033, 58.0435, 30.4049



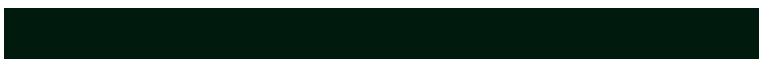
23.8397, 33.7829, 46.3401



8.5694, 9.5623, 9.9923



12.8564, 23.3686, 11.5128



0.4337, 0.7470, 0.5161

Inverse Universe

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



21.2483, 11.8366, 14.5307



35.9924, 18.5037, 18.9572



19.1786, 11.1368, 3.2370



8.6585, 8.5701, 9.7000



14.3241, 7.2472, 6.8667



0.4802, 0.2398, 0.3717

Previews

White Background



This preview shows how the XYZ color 19.3644, 32.6919, 20.6188 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 19.3644, 32.6919, 20.6188 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 19.3644, 32.6919, 20.6188

Background



This preview shows how black text looks on a background with the XYZ color 19.3644, 32.6919, 20.6188.



This preview shows how white text looks on a background with the XYZ color 19.3644, 32.6919,

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

19.3644, 32.6919, 20.6188

Protanopia

29.9401, 32.3060, 17.4896

Deuteranopia

32.5859, 31.9026, 21.8931



Tritanopia

25.0908, 32.7579, 48.7166

Trichromacy



Original Color

19.3644, 32.6919, 20.6188



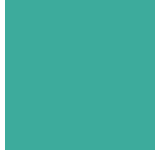
Protanomaly

23.4070, 30.9462, 18.3752



Deuteranomaly

24.4325, 30.3818, 21.0995



Tritanomaly

22.4881, 32.5182, 36.5439

Monochromacy



Original Color

19.3644, 32.6919, 20.6188



Achromatopsia

20.5175, 21.5861, 23.5072



Achromatomaly

18.4621, 24.1427, 22.0993

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.3644, 32.6919, 20.6188 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(41, 176, 112)` looks like.

```
.text, #text, p{  
    color:rgb(41, 176, 112)  
}
```

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(41, 176, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 176, 112) }
```

Border

The CSS property to change the border of an element to XYZ 19.3644, 32.6919, 20.6188 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(41, 176, 112) }
```


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

```
.border{ border-color:rgb(41, 176, 112) }
```

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

Here you see how a box with a 4 pixel rgb(41, 176, 112) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 176, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 176, 112);  
box-shadow:4px 4px 4px 4px rgb(41, 176,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 19.3644, 32.6919, 20.6188 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 176, 112) }
```

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

```
.background{ background-color: rgb(41, 176,  
112) }
```

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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