

Converting Colors

XYZ(9.4595, 19.4123, 6.5198)

Have a look what the booklet for
XYZ(9.4595, 19.4123, 6.5198)
contains.

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Color

**XYZ(10.4423, 19.8929,
6.5382)**

Conversions

Conversions Part 1

Format	Color
Hex	008F34
RGB	0, 143, 52
RGB Percent	0%, 56%, 20%
CMY	1.0000, 0.4392, 0.7961
CMYK	1.00, 0.00, 0.64, 0.44
HSL	142°, 100%, 28%
HSV	142°, 100%, 56%
XYZ	10.4423, 19.8929, 6.5382
YIQ	89.8690, -56.0170, -58.6170

Conversions

Conversions Part 2

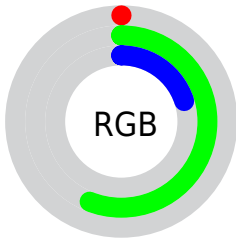
Format	Color
RYB	0, 105, 143
Decimal	36660
CIELab	51.72, -52.41, 38.43
CIELCh	52, 64.989, 143.745
Yxy	19.8929, 0.2832, 0.5395
Android (android.graphics.Color)	4278226740 (0xFF008F34)
YUV	89.8690, -18.6694, -78.8151
Hunter-Lab	44.6015, -36.2613, 22.5296

Details

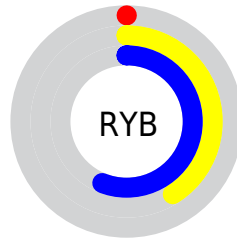
The XYZ color **10.4423, 19.8929, 6.5382** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **13.2165, 6.5952, 10.4739**, and the grayscale version is **9.7387, 10.2459, 11.1578**.

A 20% lighter version of the original color is **26.2485, 43.2323, 19.5316**, and **3.7411, 7.4822, 1.2470** is the 20% darker color. If you saturate the color by 10%, you get **10.4428, 19.8937, 6.5386**, and if you desaturate by 10%, it is **10.8538, 20.0796, 7.7331**.

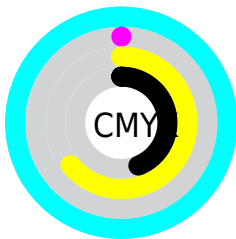
Distribution



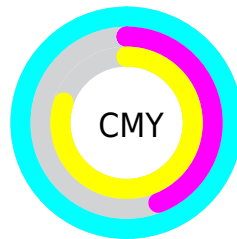
- Red (0%)
- Green (56%)
- Blue (20%)



- Red (0%)
- Yellow (41%)
- Blue (56%)



- Cyan (100%)
- Magenta (0%)
- Yellow (64%)
- Black (44%)





- Cyan (100%)
- Magenta (44%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 10.4423, 19.8929, 6.5382 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 10.4423, 19.8929, 6.5382 by changing the saturation by 10% instead.


 10.4423, 19.8929,
6.5382


 10.4423, 19.8929,
6.5382


187.7888,
251.3347, 173.2520


 5.7577, 12.3172,
3.1010


 26.2664, 43.2376,
19.5348


 2.7376, 6.9601,
1.1464


 38.1365, 59.7753,
29.9312


 1.0165, 3.4372,
0.0000

 53.1326, 80.0692,
43.4845

 0.0000, 1.3640,
0.0000

 71.6199, 104.5037,
60.6131

 0.0000, 0.1900,
0.0000

 93.9638, 133.4630,
81.7356

 0.0000, 0.0000,
0.0000

 120.5297,

167.3317, 107.2706

151.6829,
206.4942, 137.6366

■ 10.4423, 19.8929,
6.5382

■ 10.4423, 19.8929,
6.5382

■ 10.4428, 19.8937,
6.5386

■ 10.8538, 20.0796,
7.7331

■ 11.4303, 20.3459,
9.1527

■ 12.2373, 20.7261,
10.8107

■ 13.2999, 21.2328,
12.7176

■ 14.6396, 21.8769,
14.8837

■ 16.2754, 22.6680,
17.3182

■ 18.2248, 23.6150,
20.0301

■ 20.5039, 24.7258,
23.0280

■ 23.1273, 26.0081,
26.3199

Harmonies

Analogous

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



14.2644, 19.8929, 2.5558



10.4423, 19.8929, 6.5382



8.9268, 19.8929, 17.9531

Triad

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



10.4423, 19.8929, 6.5382



17.5646, 19.8929, 81.1796



32.9844, 19.8929, 10.1161

Complementary

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



10.4423, 19.8929, 6.5382



13.2165, 6.5952, 10.4739

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.



34.4458, 19.8929, 25.8450



10.4423, 19.8929, 6.5382



24.4627, 19.8929, 74.5033

Square

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



10.4423, 19.8929, 6.5382



12.3789, 19.8929, 65.8789



31.0301, 19.8929, 50.8650



27.4033, 19.8929, 3.6259

Rectangle

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



10.4423, 19.8929, 6.5382



9.1016, 19.8929, 31.4406



31.0301, 19.8929, 50.8650



34.0203, 19.8929, 14.1525

Sweetspot

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



10.4428, 19.8937, 6.5387



32.3978, 42.1728, 35.5463



14.3322, 21.9704, 3.4853



7.1145, 9.5180, 7.7197



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



10.4428, 19.8937, 6.5387



18.6246, 35.5947, 11.3088



13.3081, 21.0398, 21.6270



5.4189, 6.0598, 6.1717



9.2424, 17.5928, 5.8307



0.0983, 0.1722, 0.1079

Inverse Universe

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



13.2165, 6.5952, 10.4739



23.5834, 11.7768, 18.3123



11.4677, 5.8957, 1.2651



5.5441, 5.4782, 6.3635



11.6957, 5.8353, 9.3146



0.1224, 0.0600, 0.1449

Previews

White Background



This preview shows how the XYZ color 10.4423, 19.8929, 6.5382 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 10.4423, 19.8929, 6.5382 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 × Fail

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

XYZ 10.4423, 19.8929, 6.5382

Background



This preview shows how black text looks on a background with the XYZ color 10.4423, 19.8929, 6.5382.



This preview shows how white text looks on a background with the XYZ color 10.4423, 19.8929,

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

10.4423, 19.8929, 6.5382

Protanopia

17.8926, 19.6815, 5.4406

Deuteranopia

19.9394, 19.6281, 7.0127



Tritanopia

15.3233, 19.9644, 29.8340

Trichromacy



Original Color

10.4423, 19.8929, 6.5382



Protanomaly

12.4466, 18.2049, 5.6542



Deuteranomaly

13.0232, 17.7039, 6.6017



Tritanomaly

12.5425, 19.4141, 18.1252

Monochromacy



Original Color

10.4423, 19.8929, 6.5382



Achromatopsia

9.7181, 10.2242, 11.1341



Achromatomaly

8.4605, 12.3289, 8.7713

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.4423, 19.8929, 6.5382 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(0, 143, 52)` looks like.

```
.text, #text, p{  
    color:rgb(0, 143, 52)  
}
```

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(0, 143, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 143, 52) }
```

Border

The CSS property to change the border of an element to XYZ 10.4423, 19.8929, 6.5382 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(0, 143, 52) }
```


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

```
.border{ border-color:rgb(0, 143, 52) }
```

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

Here you see how a box with a 4 pixel rgb(0, 143, 52) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 143, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 143, 52);  
box-shadow:4px 4px 4px 4px rgb(0, 143, 52)  
}
```

Background

The CSS property to change the background color of an element to XYZ 10.4423, 19.8929, 6.5382 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 143, 52) }
```

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

```
.background{ background-color: rgb(0, 143,  
52) }
```

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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