

Converting Colors

XYZ(10.3487, 20.2572, 4.2440)

Have a look what the booklet for
XYZ(10.3487, 20.2572, 4.2440)
contains.

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Color

**XYZ(10.4029, 20.3748,
4.2486)**

Conversions

Conversions Part 1

Format	Color
Hex	099118
RGB	9, 145, 24
RGB Percent	4%, 57%, 9%
CMY	0.9647, 0.4314, 0.9059
CMYK	0.94, 0.00, 0.83, 0.43
HSL	127°, 88%, 30%
HSV	127°, 94%, 57%
XYZ	10.4029, 20.3748, 4.2486
YIQ	90.5420, -42.2150, -66.4630

Conversions

Conversions Part 2

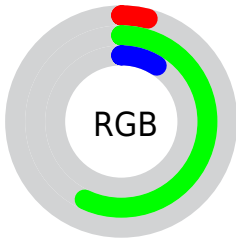
Format	Color
R_{YB}	9, 131, 145
Decimal	626968
CIE _{Lab}	52.26, -55.05, 49.85
CIE _{LCh}	52, 74.264, 137.835
Yxy	20.3748, 0.2970, 0.5817
Android (android.graphics.Color)	4278817048 (0xFF099118)
YUV	90.5420, -32.8052, -71.5123
Hunter-Lab	45.1385, -37.8540, 26.0163

Details

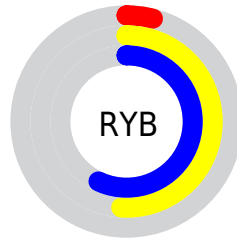
The XYZ color **10.4029, 20.3748, 4.2486** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **15.8042, 7.8269, 21.7953**, and the grayscale version is **9.9193, 10.4358, 11.3646**.

A 20% lighter version of the original color is **26.1854, 43.9969, 14.5093**, and **3.9144, 7.8287, 1.3048** is the 20% darker color. If you saturate the color by 10%, you get **10.2193, 20.2890, 3.8678**, and if you desaturate by 10%, it is **10.8232, 20.5727, 5.1430**.

Distribution



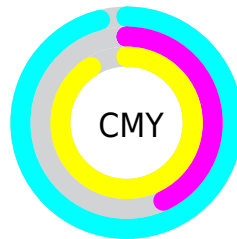
- Red (4%)
- Green (57%)
- Blue (9%)



- Red (4%)
- Yellow (51%)
- Blue (57%)



- Cyan (94%)
- Magenta (0%)
- Yellow (83%)
- Black (43%)





- Cyan (96%)
- Magenta (43%)
- Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 10.4029, 20.3748, 4.2486 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 10.4029, 20.3748, 4.2486 by changing the saturation by 10% instead.


 10.4029, 20.3748,
4.2486


 10.4029, 20.3748,
4.2486

187.5181,
253.9370, 150.9497


 5.7312, 12.6678,
1.7627


 26.1935, 44.0447,
14.5792


 2.7214, 7.2002,
0.4032


 38.0430, 60.7763,
23.2609


 1.0082, 3.5876,
0.0000

 53.0160, 81.2850,
34.8450

 0.0000, 1.4457,
0.0000

 71.4776, 105.9550,
49.7500


 0.0000, 0.2500,
0.0000


 93.7932, 135.1708,
68.3944


 0.0000, 0.0000,
0.0000


 120.3283,


169.3168, 91.1968

 151.4482,
208.7774, 118.5757


 10.4029, 20.3748,
4.2486


 10.4029, 20.3748,
4.2486


 10.2193, 20.2890,
3.8678

 10.8232, 20.5727,
5.1430

 11.4967, 20.8923,
6.4225

 12.4569, 21.3506,
8.1243

 13.7314, 21.9612,
10.2813

 15.3447, 22.7361,
12.9228

■ 17.3187, 23.6860,
16.0759

■ 19.6735, 24.8207,
19.7656

■ 22.4278, 26.1494,
24.0151

■ 25.5988, 27.6805,
28.8465

Harmonies

Analogous

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



15.2125, 20.3748, 1.4123



10.4029, 20.3748, 4.2486



8.2767, 20.3748, 14.4594

Triad

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



10.4029, 20.3748, 4.2486



16.4369, 20.3748, 93.7721



36.9482, 20.3748, 11.6475

Complementary

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



10.4029, 20.3748, 4.2486



15.8042, 7.8269, 21.7953

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.



37.5288, 20.3748, 32.2637



10.4029, 20.3748, 4.2486



24.2132, 20.3748, 90.9890

Square

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



10.4029, 20.3748, 4.2486



11.0956, 20.3748, 70.1446



32.3956, 20.3748, 64.0043



30.9715, 20.3748, 3.3454

Rectangle

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



10.4029, 20.3748, 4.2486



8.1680, 20.3748, 28.4166



32.3956, 20.3748, 64.0043



37.8287, 20.3748, 16.9378

Sweetspot

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



10.4034, 20.3756, 4.2491



33.1239, 43.4329, 32.1085



19.5976, 25.1288, 4.0759



7.0153, 9.4918, 6.5874



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.



10.4034, 20.3756, 4.2491



18.2668, 36.3197, 6.7485



12.1096, 21.0581, 13.2339



5.3656, 6.0385, 5.8910



8.7705, 17.4041, 3.3458



0.0877, 0.1679, 0.0520

Inverse Universe

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



15.8042, 7.8269, 21.7953



27.9685, 13.6031, 38.1379



12.6836, 6.5787, 5.3628



5.6010, 5.5009, 6.6628



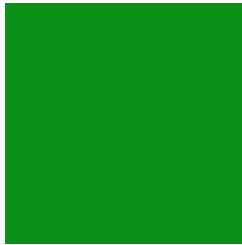
13.4204, 6.5252, 18.3970



0.1330, 0.0643, 0.2008

Previews

White Background



This preview shows how the XYZ color 10.4029, 20.3748, 4.2486 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



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 10.4029, 20.3748, 4.2486

Background



This preview shows how black text looks on a background with the XYZ color 10.4029, 20.3748, 4.2486.



This preview shows how white text looks on a background with the XYZ color 10.4029, 20.3748,

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

10.4029, 20.3748, 4.2486

Protanopia

18.1321, 20.0344, 3.4836

Deuteranopia

20.3622, 20.0719, 4.7205



Tritanopia

15.7767, 20.3954, 30.2993

Trichromacy



Original Color

10.4029, 20.3748, 4.2486



Protanomaly

12.7912, 18.8283, 3.6219



Deuteranomaly

13.4874, 18.3786, 4.3499



Tritanomaly

12.5857, 19.9168, 15.7514

Monochromacy



Original Color

10.4029, 20.3748, 4.2486



Achromatopsia

9.9438, 10.4616, 11.3927



Achromatomaly

8.6220, 12.7662, 7.3199

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.4029, 20.3748, 4.2486 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(9, 145, 24)` looks like.

```
.text, #text, p{  
    color:rgb(9, 145, 24)  
}
```

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(9, 145, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 145, 24) }
```

Border

The CSS property to change the border of an element to XYZ 10.4029, 20.3748, 4.2486 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(9, 145, 24) }
```


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

```
.border{ border-color:rgb(9, 145, 24) }
```

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

Here you see how a box with a 4 pixel rgb(9, 145, 24) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 145, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(9, 145, 24);  
box-shadow:4px 4px 4px 4px rgb(9, 145, 24)  
}
```

Background

The CSS property to change the background color of an element to XYZ 10.4029, 20.3748, 4.2486 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 145, 24) }
```

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

```
.background{ background-color: rgb(9, 145,  
24) }
```

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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