

Converting Colors

XYZ(10.4864, 20.5063, 3.8953)

Have a look what the booklet for
XYZ(10.4864, 20.5063, 3.8953)
contains.

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Color

**XYZ(10.4326, 20.3984,
3.8776)**

Conversions

Conversions Part 1

Format	Color
Hex	109110
RGB	16, 145, 16
RGB Percent	6%, 57%, 6%
CMY	0.9373, 0.4314, 0.9372
CMYK	0.89, 0.00, 0.89, 0.43
HSL	120°, 80%, 32%
HSV	120°, 89%, 57%
XYZ	10.4326, 20.3984, 3.8776
YIQ	91.7230, -35.4750, -67.4670

Conversions

Conversions Part 2

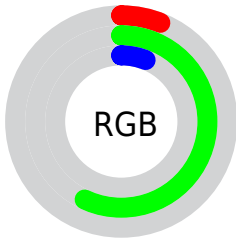
Format	Color
R_{YB}	16, 145, 145
Decimal	1085712
CIE Lab	52.28, -54.93, 51.93
CIE LCh	52, 75.594, 136.608
Yxy	20.3984, 0.3006, 0.5877
Android (android.graphics.Color)	4279275792 (0xFF109110)
YUV	91.7230, -37.3314, -66.4091
Hunter-Lab	45.1646, -37.8062, 26.5249

Details

The XYZ color **10.4326, 20.3984, 3.8776** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **16.9732, 8.4347, 27.5192**, and the grayscale version is **10.1984, 10.7295, 11.6844**.

A 20% lighter version of the original color is **26.2387, 44.0407, 13.7744**, and **3.9144, 7.8287, 1.3048** is the 20% darker color. If you saturate the color by 10%, you get **10.1528, 20.2646, 3.4197**, and if you desaturate by 10%, it is **10.9168, 20.6316, 4.6694**.

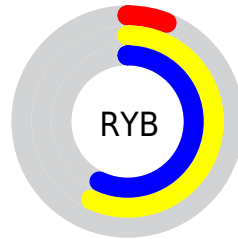
Distribution



Red (6%)

Green (57%)

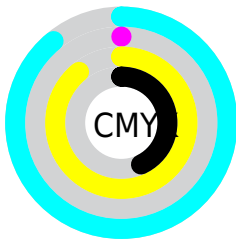
Blue (6%)



Red (6%)

Yellow (57%)

Blue (57%)

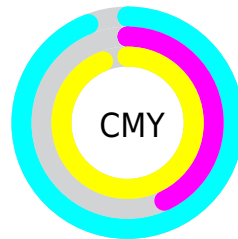


Cyan (89%)

Magenta (0%)

Yellow (89%)

Black (43%)



Cyan (94%)


Magenta (43%)


Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 10.4326, 20.3984, 3.8776 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 10.4326, 20.3984, 3.8776 by changing the saturation by 10% instead.


 10.4326, 20.3984,
3.8776


 10.4326, 20.3984,
3.8776


187.7222,
254.0638, 146.8550


 5.7512, 12.6850,
1.5584


 26.2484, 44.0841,
13.7265


 2.7336, 7.2120,
0.2609


 38.1135, 60.8252,
22.0933


 1.0145, 3.5950,
0.0000

 53.1039, 81.3443,
33.3130

 0.0000, 1.4497,
0.0000

 71.5849, 106.0258,
47.8043


 0.0000, 0.2529,
0.0000


 93.9218, 135.2541,
65.9855


 0.0000, 0.0000,
0.0000


 120.4801,


169.4136, 88.2754


 151.6251,
208.8887, 115.0924


 10.4326, 20.3984,
3.8776


 10.4326, 20.3984,
3.8776


 10.1528, 20.2646,
3.4197


 10.9168, 20.6316,
4.6694

 10.1259, 20.2517,
3.3756

 11.6817, 20.9990,
5.9207

 12.7618, 21.5178,
7.6874

 14.1860, 22.2020,
10.0171

 15.9802, 23.0638,
12.9518

■ 18.1677, 24.1146,
16.5298

■ 20.7699, 25.3645,
20.7861

■ 23.8067, 26.8233,
25.7531

■ 27.2966, 28.4996,
31.4612

Harmonies

Analogous

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



15.4240, 20.3984, 1.2646



10.4326, 20.3984, 3.8776



8.1843, 20.3984, 13.7022

Triad

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



10.4326, 20.3984, 3.8776



16.1300, 20.3984, 95.2389



37.5156, 20.3984, 12.0888

Complementary

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



10.4326, 20.3984, 3.8776



16.9732, 8.4347, 27.5192

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.



37.8536, 20.3984, 33.6656



10.4326, 20.3984, 3.8776



23.9790, 20.3984, 93.6077

Square

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



10.4326, 20.3984, 3.8776



10.8298, 20.3984, 70.0613



32.3955, 20.3984, 66.4717



31.5677, 20.3984, 3.3709

Rectangle

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



10.4326, 20.3984, 3.8776



8.0128, 20.3984, 27.5067



32.3955, 20.3984, 66.4717



38.3351, 20.3984, 17.6417

Sweetspot

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



10.4331, 20.3992, 3.8781



33.1429, 43.4762, 30.5966



21.8969, 26.3091, 4.4142



7.0885, 9.5351, 6.3412



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.



10.4331, 20.3992, 3.8781



18.1332, 36.2663, 6.0447



11.8060, 20.9484, 11.1080



5.3429, 6.0294, 5.7716



8.6850, 17.3699, 2.8952



0.0830, 0.1661, 0.0277

Inverse Universe

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



16.9732, 8.4347, 27.5192



30.0633, 14.4411, 49.1693



13.3294, 6.9772, 8.3310



5.6263, 5.5110, 6.7959



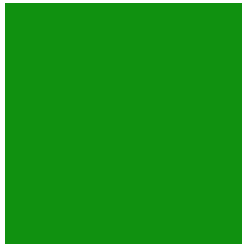
14.3989, 6.9166, 23.5499



0.1377, 0.0661, 0.2252

Previews

White Background



This preview shows how the XYZ color 10.4326, 20.3984, 3.8776 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 10.4326, 20.3984, 3.8776 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 10.4326, 20.3984, 3.8776

Background



This preview shows how black text looks on a background with the XYZ color 10.4326, 20.3984, 3.8776.



This preview shows how white text looks on a background with the XYZ color 10.4326, 20.3984,

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

10.4326, 20.3984, 3.8776

Protanopia

18.0612, 20.0061, 3.1106

Deuteranopia

20.4921, 20.1461, 4.3987



Tritanopia

15.8389, 20.4274, 30.3022

Trichromacy



Original Color

10.4326, 20.3984, 3.8776



Protanomaly

13.0254, 18.9573, 3.2598



Deuteranomaly

13.7545, 18.5254, 3.9494



Tritanomaly

12.5669, 19.9240, 14.9877

Monochromacy



Original Color

10.4326, 20.3984, 3.8776



Achromatopsia

10.1725, 10.7023, 11.6548



Achromatomaly

8.7242, 12.8290, 6.8669

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.4326, 20.3984, 3.8776 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(16, 145, 16)` looks like.

```
.text, #text, p{  
    color:rgb(16, 145, 16)  
}
```

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(16, 145, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 145, 16) }
```

Border

The CSS property to change the border of an element to XYZ 10.4326, 20.3984, 3.8776 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(16, 145, 16) }
```


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

```
.border{ border-color:rgb(16, 145, 16) }
```

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

Here you see how a box with a 4 pixel rgb(16, 145, 16) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 145, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 145, 16);  
box-shadow:4px 4px 4px 4px rgb(16, 145,  
16) }
```

Background

The CSS property to change the background color of an element to XYZ 10.4326, 20.3984, 3.8776 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 145, 16) }
```

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

```
.background{ background-color: rgb(16, 145,  
16) }
```

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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