

Converting Colors

XYZ(12.6081, 20.6175, 7.9639)

Have a look what the booklet for
XYZ(12.6081, 20.6175, 7.9639)
contains.

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Color

**XYZ(12.5364, 20.4986,
7.9985)**

Conversions

Conversions Part 1

Format	Color
Hex	408D3F
RGB	64, 141, 63
RGB Percent	25%, 55%, 25%
CMY	0.7490, 0.4470, 0.7529
CMYK	0.55, 0.00, 0.55, 0.45
HSL	119°, 38%, 40%
HSV	119°, 55%, 55%
XYZ	12.5364, 20.4986, 7.9985
YIQ	109.0850, -20.8540, -40.5820

Conversions

Conversions Part 2

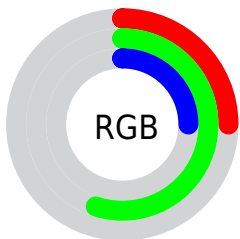
Format	Color
RYB	63, 141, 140
Decimal	4230463
CIELab	52.40, -40.30, 34.16
CIELCh	52, 52.829, 139.709
Yxy	20.4986, 0.3055, 0.4996
Android (android.graphics.Color)	4282420543 (0xFF408D3F)
YUV	109.0850, -22.7199, -39.5395
Hunter-Lab	45.2754, -29.8067, 21.2184

Details

The XYZ color **12.5364, 20.4986, 7.9985** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **17.4016, 11.0543, 26.4169**, and the grayscale version is **14.6271, 15.3888, 16.7584**.

A 20% lighter version of the original color is **29.9670, 44.0740, 22.5505**, and **3.7354, 7.3440, 1.6361** is the 20% darker color. If you saturate the color by 10%, you get **11.3969, 19.9516, 6.1452**, and if you desaturate by 10%, it is **14.0038, 21.2042, 10.3949**.

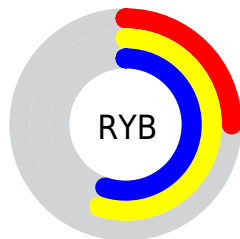
Distribution



Red (25%)

Green (55%)

Blue (25%)



Red (25%)

Yellow (55%)

Blue (55%)

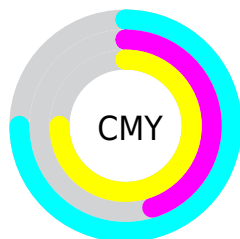


Cyan (55%)

Magenta (0%)

Yellow (55%)

Black (45%)



Cyan (75%)

Magenta (45%)

Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.5364, 20.4986, 7.9985 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 12.5364, 20.4986, 7.9985 by changing the saturation by 10% instead.

■ 12.5364, 20.4986,
7.9985

■ 12.5364, 20.4986,
7.9985

201.6230,
254.6017, 185.6544

■ 7.1849, 12.7580,
4.0062

■ 30.0768, 44.2516,
22.5016

■ 3.6254, 7.2621,
1.6288

■ 42.9964, 61.0327,
33.8496

■ 1.4924, 3.6266,
0.3112

■ 59.1694, 81.5961,
48.4865

■ 0.3207, 1.4669,
0.0000

■ 78.9612, 106.3263,
66.8309

■ 0.0000, 0.2653,
0.0000

■ 102.7371,
135.6075, 89.3013

■ 0.0000, 0.0000,
0.0000

■ 130.8624,

169.8242, 116.3164

163.7026,
209.3608, 148.2946

■ 12.5364, 20.4986,
7.9985

■ 12.5364, 20.4986,
7.9985

■ 11.3969, 19.9516,
6.1452

■ 14.0038, 21.2042,
10.3949

■ 10.5589, 19.5487,
4.7915

■ 15.8200, 22.0765,
13.3708

■ 9.9941, 19.2769,
3.8891

■ 18.0060, 23.1262,
16.9612

■ 9.6656, 19.1187,
3.3704

■ 20.5807, 24.3624,
21.1977

■ 9.5479, 19.0622,
3.1762

■ 23.5616, 25.7934,
26.1099

■ 26.9652, 27.4273,
31.7256

■ 30.8072, 29.2715,
38.0709

■ 35.1023, 31.3330,
45.1706

■ 39.8646, 33.6186,
53.0485

Harmonies

Analogous

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



16.1603, 20.4986, 4.3157



12.5364, 20.4986, 7.9985



10.8881, 20.4986, 17.3780

Triad

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



12.5364, 20.4986, 7.9985



17.6714, 20.4986, 66.7538



31.1006, 20.4986, 13.6549

Complementary

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



12.5364, 20.4986, 7.9985



17.4016, 11.0543, 26.4169

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.



31.7124, 20.4986, 28.1188



12.5364, 20.4986, 7.9985



23.2333, 20.4986, 64.1427

Square

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



12.5364, 20.4986, 7.9985



13.4647, 20.4986, 53.9087



28.6142, 20.4986, 47.8797



27.0717, 20.4986, 6.3671

Rectangle

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



12.5364, 20.4986, 7.9985



10.8755, 20.4986, 27.7699



28.6142, 20.4986, 47.8797



31.7380, 20.4986, 17.6335

Sweetspot

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



12.5369, 20.4995, 7.9990



35.8536, 43.1464, 36.3110



21.2169, 24.6913, 8.3506



7.8262, 9.5496, 7.8109



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



12.5369, 20.4995, 7.9990



20.0514, 35.5566, 10.4250



13.9097, 21.0412, 15.5638



5.3489, 6.0325, 5.7718



8.7066, 17.3810, 2.8960



0.0843, 0.1667, 0.0277

Inverse Universe

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



17.4016, 11.0543, 26.4169



29.6587, 16.8866, 46.8241



15.2260, 10.2036, 14.0787



5.6195, 5.5076, 6.7956



14.1232, 6.7744, 23.5403



0.1364, 0.0655, 0.2251

Previews

White Background



This preview shows how the XYZ color 12.5364, 20.4986, 7.9985 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 12.5364, 20.4986, 7.9985 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 12.5364, 20.4986, 7.9985

Background



This preview shows how black text looks on a background with the XYZ color 12.5364, 20.4986, 7.9985.



This preview shows how white text looks on a background with the XYZ color 12.5364, 20.4986,

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

12.5364, 20.4986, 7.9985

Protanopia

18.4526, 20.1241, 6.9148

Deuteranopia

20.5015, 20.0619, 8.4220



Tritanopia

16.8251, 20.5521, 29.0668

Trichromacy



Original Color

12.5364, 20.4986, 7.9985

Protanomaly

15.3538, 19.6710, 7.2626

Deuteranomaly

16.2197, 19.3200, 8.1845

Tritanomaly

14.7431, 20.3191, 19.0645

Monochromacy



Original Color

12.5364, 20.4986, 7.9985

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

13.2833, 16.7746, 12.6629

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5364, 20.4986, 7.9985 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(64, 141, 63)` looks like.

```
.text, #text, p{  
    color:rgb(64, 141, 63)  
}
```

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(64, 141, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 141, 63) }
```

Border

The CSS property to change the border of an element to XYZ 12.5364, 20.4986, 7.9985 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(64, 141, 63) }
```


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

```
.border{ border-color:rgb(64, 141, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 141, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 141, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 141, 63);  
box-shadow:4px 4px 4px 4px rgb(64, 141,  
63) }
```

Background

The CSS property to change the background color of an element to XYZ 12.5364, 20.4986, 7.9985 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 141, 63) }
```

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

```
.background{ background-color: rgb(64, 141,  
63) }
```

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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