

Converting Colors

XYZ(12.5776, 20.2315, 14.0682)

Have a look what the booklet for
XYZ(12.5776, 20.2315, 14.0682)
contains.

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Color

**XYZ(12.5258, 20.1403,
14.0538)**

Conversions

Conversions Part 1

Format	Color
Hex	2D8C5F
RGB	45, 140, 95
RGB Percent	18%, 55%, 37%
CMY	0.8235, 0.4510, 0.6274
CMYK	0.68, 0.00, 0.32, 0.45
HSL	152°, 51%, 36%
HSV	152°, 68%, 55%
XYZ	12.5258, 20.1403, 14.0538
YIQ	106.4650, -42.1750, -34.1350

Conversions

Conversions Part 2

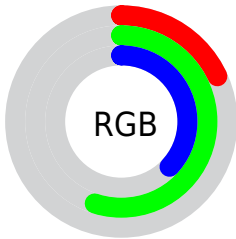
Format	Color
R_{YB}	45, 107, 140
Decimal	2985055
CIE _{Lab}	52.00, -38.64, 16.16
CIE _{LCh}	52, 41.883, 157.305
Yxy	20.1403, 0.2681, 0.4311
Android (android.graphics.Color)	4281175135 (0xFF2D8C5F)
YUV	106.4650, -5.6522, -53.9048
Hunter-Lab	44.8779, -28.7156, 12.8475

Details

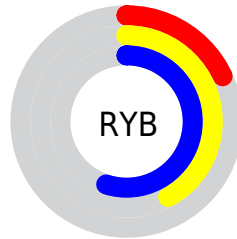
The XYZ color **12.5258, 20.1403, 14.0538** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **13.5996, 8.1907, 10.5375**, and the grayscale version is **13.8511, 14.5724, 15.8694**.

A 20% lighter version of the original color is **29.9596, 43.4837, 34.0083**, and **4.1059, 7.3582, 4.0002** is the 20% darker color. If you saturate the color by 10%, you get **11.7204, 19.7590, 12.5092**, and if you desaturate by 10%, it is **13.5623, 20.6388, 15.7441**.

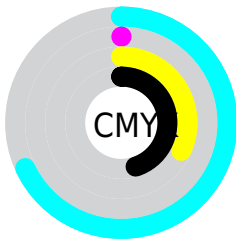
Distribution



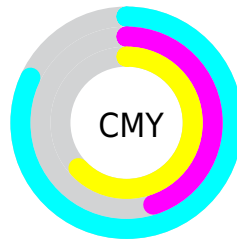
- Red (18%)
- Green (55%)
- Blue (37%)



- Red (18%)
- Yellow (42%)
- Blue (55%)



- Cyan (68%)
- Magenta (0%)
- Yellow (32%)
- Black (45%)



- Cyan (82%)
- Magenta (45%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.5258, 20.1403, 14.0538 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 12.5258, 20.1403, 14.0538 by changing the saturation by 10% instead.

■ 12.5258, 20.1403,
14.0538

■ 12.5258, 20.1403,
14.0538

201.5554,
252.6736, 229.0053

■ 7.1776, 12.4971,
8.0189

■ 30.0578, 43.6523,
33.9030

■ 3.6207, 7.0832,
4.0191

■ 42.9723, 60.2898,
48.5543

■ 1.4899, 3.5142,
1.6358

■ 59.1396, 80.6943,
66.9149

■ 0.3189, 1.4057,
0.3162

■ 78.9250, 105.2500,
89.4033

■ 0.0000, 0.2209,
0.0000

■ 102.6940,
134.3414, 116.4380

■ 0.0000, 0.0000,
0.0000

■ 130.8118,

168.3529, 148.4375

163.6438,
207.6688, 185.8204

■ 12.5258, 20.1403,
14.0538

■ 12.5258, 20.1403,
14.0538

■ 11.7204, 19.7590,
12.5092

■ 13.5623, 20.6388,
15.7441

■ 11.1227, 19.4813,
11.1045

■ 14.8471, 21.2618,
17.5828

■ 10.6897, 19.2858,
9.8348

■ 16.3977, 22.0187,
19.5743

■ 10.6039, 19.2471,
9.5793

■ 18.2292, 22.9172,
21.7223

■ 20.3558, 23.9647,
24.0302

■ 22.7907, 25.1677,
26.5016

■ 25.5460, 26.5326,
29.1398

■ 28.6334, 28.0652,
31.9480

■ 32.0639, 29.7713,
34.9293

Harmonies

Analogous

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



14.5873, 20.1403, 8.0437



12.5258, 20.1403, 14.0538



12.1020, 20.1403, 25.0558

Triad

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



12.5258, 20.1403, 14.0538



20.2054, 20.1403, 54.4787



26.4406, 20.1403, 10.5465

Complementary

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



12.5258, 20.1403, 14.0538



13.5996, 8.1907, 10.5375

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.



28.4911, 20.1403, 19.0745



12.5258, 20.1403, 14.0538



24.5597, 20.1403, 46.4400

Square

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



12.5258, 20.1403, 14.0538



16.1478, 20.1403, 51.5449



27.7561, 20.1403, 32.3048



22.4868, 20.1403, 6.6074

Rectangle

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



12.5258, 20.1403, 14.0538



12.7373, 20.1403, 34.5746



27.7561, 20.1403, 32.3048



27.4002, 20.1403, 12.8181

Sweetspot

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



12.5263, 20.1411, 14.0543



34.8745, 41.7499, 41.2941



14.1585, 21.1664, 5.8220



7.8178, 9.5127, 9.2804



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.



12.5263, 20.1411, 14.0543



20.1085, 34.5756, 20.8219



14.9648, 20.7490, 28.0282



5.0746, 5.6493, 5.9139



9.4317, 17.1053, 8.5641



0.0701, 0.1166, 0.0959

Inverse Universe

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



13.5996, 8.1907, 10.5375



22.1432, 11.9936, 14.2089



12.2893, 7.7651, 3.3338



5.1250, 5.0855, 5.7469



10.5018, 5.3108, 5.1465



0.0771, 0.0382, 0.0727

Previews

White Background



This preview shows how the XYZ color 12.5258, 20.1403, 14.0538 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 12.5258, 20.1403, 14.0538 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 12.5258, 20.1403, 14.0538

Background



This preview shows how black text looks on a background with the XYZ color 12.5258, 20.1403, 14.0538.



This preview shows how white text looks on a background with the XYZ color 12.5258, 20.1403,

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

12.5258, 20.1403, 14.0538

Protanopia

18.5173, 19.8570, 12.0893

Deuteranopia

20.1064, 19.7166, 14.8026



Tritanopia

15.7503, 20.1845, 29.8539

Trichromacy



Original Color

12.5258, 20.1403, 14.0538

Protanomaly

15.1054, 19.2225, 12.8117

Deuteranomaly

15.7289, 18.9294, 14.3800

Tritanomaly

14.3223, 20.0105, 23.1862

Monochromacy



Original Color

12.5258, 20.1403, 14.0538

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

12.5329, 15.8010, 14.9597

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5258, 20.1403, 14.0538 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(45, 140, 95)` looks like.

```
.text, #text, p{  
    color:rgb(45, 140, 95)  
}
```

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(45, 140, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 140, 95) }
```

Border

The CSS property to change the border of an element to XYZ 12.5258, 20.1403, 14.0538 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(45, 140, 95) }
```


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

```
.border{ border-color:rgb(45, 140, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 140, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 140, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 140, 95);  
box-shadow:4px 4px 4px 4px rgb(45, 140,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 12.5258, 20.1403, 14.0538 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 140, 95) }
```

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

```
.background{ background-color: rgb(45, 140,  
95) }
```

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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