

Converting Colors

XYZ(8.9268, 13.5751, 12.3808)

Have a look what the booklet for
XYZ(8.9268, 13.5751, 12.3808)
contains.

XYZ(8.9401, 13.6568, 12.2900)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(8.9401, 13.6568,
12.2900)**

Conversions

Conversions Part 1

Format	Color
Hex	25745C
RGB	37, 116, 92
RGB Percent	15%, 45%, 36%
CMY	0.8549, 0.5451, 0.6392
CMYK	0.68, 0.00, 0.21, 0.55
HSL	162°, 52%, 30%
HSV	162°, 68%, 45%
XYZ	8.9401, 13.6568, 12.2900
YIQ	89.6430, -39.3800, -24.2120

Conversions

Conversions Part 2

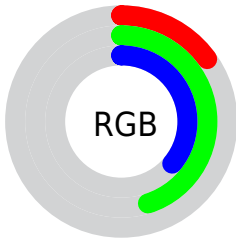
Format	Color
RYB	37, 84, 116
Decimal	2454620
CIELab	43.74, -30.10, 6.34
CIELCh	44, 30.756, 168.106
Yxy	13.6568, 0.2563, 0.3915
Android (android.graphics.Color)	4280644700 (0xFF25745C)
YUV	89.6430, 1.1620, -46.1679
Hunter-Lab	36.9551, -21.4891, 6.1508

Details

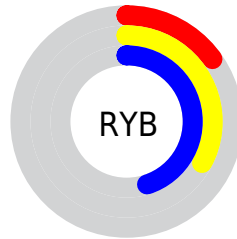
The XYZ color **8.9401, 13.6568, 12.2900** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **8.7068, 5.3734, 4.9937**, and the grayscale version is **9.6425, 10.1447, 11.0475**.

A 20% lighter version of the original color is **23.4841, 32.6042, 30.6467**, and **2.5003, 4.2116, 3.2659** is the 20% darker color. If you saturate the color by 10%, you get **8.4378, 13.4156, 11.4811**, and if you desaturate by 10%, it is **9.5827, 13.9702, 13.1435**.

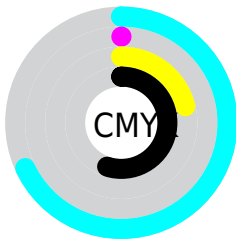
Distribution



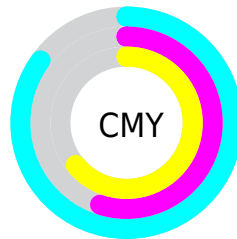
- Red (15%)
- Green (45%)
- Blue (36%)



- Red (15%)
- Yellow (33%)
- Blue (45%)



- Cyan (68%)
- Magenta (0%)
- Yellow (21%)
- Black (55%)



- Cyan (85%)
- Magenta (55%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 8.9401, 13.6568, 12.2900 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 8.9401, 13.6568, 12.2900 by changing the saturation by 10% instead.

8.9401, 13.6568,
12.2900

8.9401, 13.6568,
12.2900

177.1469,
215.0852, 217.3614

4.7589, 7.8824,
6.8166

23.4500, 32.4788,
30.6945

2.1398, 4.0198,
3.2709

34.5095, 46.2952,
44.4625

0.7107, 1.6846,
1.2346

48.5925, 63.5610,
61.8326

0.0000, 0.4137,
0.0073

66.0643, 84.6606,
83.2232

0.0000, 0.0000,
0.0000

87.2903, 109.9784,
109.0528

112.6358,

139.8989, 139.7401

142.4662,
174.8063, 175.7034

■ 8.9401, 13.6568,
12.2900

■ 8.9401, 13.6568,
12.2900

■ 8.4378, 13.4156,
11.4811

■ 9.5827, 13.9702,
13.1435

■ 8.0615, 13.2382,
10.7147

■ 10.3759, 14.3600,
14.0417

■ 7.7745, 13.1060,
9.9889

■ 11.3303, 14.8322,
14.9858

■ 7.7218, 13.0817,
9.8553

■ 12.4552, 15.3913,
15.9768

■ 13.7593, 16.0419,
17.0155

■ 15.2504, 16.7881,
18.1028

■ 16.9362, 17.6337,
19.2394

■ 18.8236, 18.5824,
20.4262

■ 20.9194, 19.6377,
21.6639

Harmonies

Analogous

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



9.8167, 13.6568, 7.6305



8.9401, 13.6568, 12.2900



9.0422, 13.6568, 19.4061

Triad

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



8.9401, 13.6568, 12.2900



14.4803, 13.6568, 31.4653



16.3407, 13.6568, 6.9947

Complementary

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



8.9401, 13.6568, 12.2900



8.7068, 5.3734, 4.9937

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.



17.9224, 13.6568, 11.1022



8.9401, 13.6568, 12.2900



16.7598, 13.6568, 25.6568

Square

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



8.9401, 13.6568, 12.2900



12.0452, 13.6568, 32.0852



18.0847, 13.6568, 17.7878



13.9628, 13.6568, 5.2726

Rectangle

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



8.9401, 13.6568, 12.2900



9.6536, 13.6568, 24.6989



18.0847, 13.6568, 17.7878



16.9952, 13.6568, 8.0710

Sweetspot

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



8.9405, 13.6573, 12.2903



23.6047, 27.9077, 29.4623



8.5674, 13.6496, 3.9336



5.5069, 6.5957, 6.9310



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



8.9405, 13.6573, 12.2903



14.4113, 23.3823, 19.3672



8.6198, 11.0628, 18.2046



3.7382, 4.1372, 4.4552



8.6569, 14.6768, 11.0154



41.7922, 71.3642, 51.6043

Inverse Universe

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



8.7068, 5.3734, 4.9937



13.9959, 7.6910, 5.6817



8.7419, 6.2571, 2.4975



3.7255, 3.7175, 4.0814



8.4197, 4.3016, 2.1522



40.6904, 20.8263, 8.6988

Previews

White Background



This preview shows how the XYZ color 8.9401, 13.6568, 12.2900 looks on a white 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

Black Background



This preview shows how the XYZ color 8.9401, 13.6568, 12.2900 looks on a black 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

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

XYZ 8.9401, 13.6568, 12.2900

Background



This preview shows how black text looks on a background with the XYZ color 8.9401, 13.6568, 12.2900.



This preview shows how white text looks on a background with the XYZ color 8.9401, 13.6568,

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

8.9401, 13.6568, 12.2900

Protanopia

12.7966, 13.6076, 10.5464

Deuteranopia

13.6434, 13.4130, 12.9362



Tritanopia

10.5608, 13.6469, 20.1667

Trichromacy



Original Color

8.9401, 13.6568, 12.2900

Protanomaly

10.6913, 13.2687, 11.2301

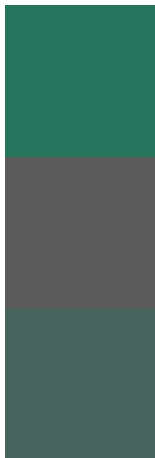
Deuteranomaly

11.0476, 12.9556, 12.7449

Tritanomaly

9.8018, 13.4939, 16.8398

Monochromacy



Original Color

8.9401, 13.6568, 12.2900

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

8.9487, 11.0186, 11.5527

CSS Examples

Text

The CSS property to change the color of the text to XYZ 8.9401, 13.6568, 12.2900 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(37, 116, 92)` looks like.

```
.text, #text, p{  
    color:rgb(37, 116, 92)  
}
```

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(37, 116, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 116, 92) }
```

Border

The CSS property to change the border of an element to XYZ 8.9401, 13.6568, 12.2900 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(37, 116, 92) }
```


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

```
.border{ border-color:rgb(37, 116, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 116, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 116, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 116, 92);  
box-shadow:4px 4px 4px 4px rgb(37, 116,  
92) }
```

Background

The CSS property to change the background color of an element to XYZ 8.9401, 13.6568, 12.2900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 116, 92) }
```

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

```
.background{ background-color: rgb(37, 116,  
92) }
```

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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