

Converting Colors

XYZ(9.0820, 13.1578, 12.3566)

Have a look what the booklet for
XYZ(9.0820, 13.1578, 12.3566)
contains.

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Color

**XYZ(9.1475, 13.2535,
12.4320)**

Conversions

Conversions Part 1

Format	Color
Hex	31715D
RGB	49, 113, 93
RGB Percent	19%, 44%, 36%
CMY	0.8078, 0.5569, 0.6353
CMYK	0.57, 0.00, 0.18, 0.56
HSL	161°, 40%, 32%
HSV	161°, 57%, 44%
XYZ	9.1475, 13.2535, 12.4320
YIQ	91.5840, -31.7240, -19.7880

Conversions

Conversions Part 2

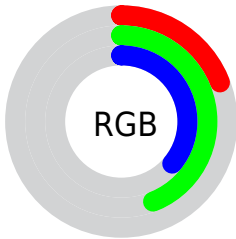
Format	Color
RYB	49, 87, 113
Decimal	3240285
CIELab	43.14, -25.79, 4.94
CIElCh	43, 26.260, 169.149
Yxy	13.2535, 0.2626, 0.3805
Android (android.graphics.Color)	4281430365 (0xFF31715D)
YUV	91.5840, 0.6981, -37.3462
Hunter-Lab	36.4054, -18.8580, 5.2369

Details

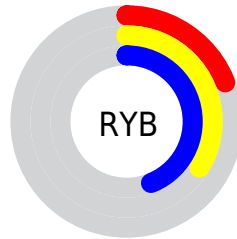
The XYZ color **9.1475, 13.2535, 12.4320** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **8.9829, 6.1373, 6.3418**, and the grayscale version is **10.0811, 10.6061, 11.5500**.

A 20% lighter version of the original color is **23.7799, 31.6601, 30.8443**, and **2.3465, 3.8720, 3.3130** is the 20% darker color. If you saturate the color by 10%, you get **8.5167, 12.9463, 11.6049**, and if you desaturate by 10%, it is **9.9230, 13.6351, 13.3042**.

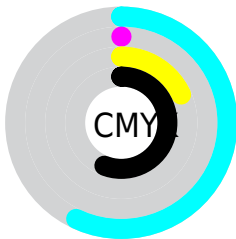
Distribution



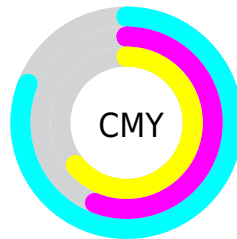
- Red (19%)
- Green (44%)
- Blue (36%)



- Red (19%)
- Yellow (34%)
- Blue (44%)



- Cyan (57%)
- Magenta (0%)
- Yellow (18%)
- Black (56%)





- Cyan (81%)
- Magenta (56%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 9.1475, 13.2535, 12.4320 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 9.1475, 13.2535, 12.4320 by changing the saturation by 10% instead.


 9.1475, 13.2535,
12.4320


 9.1475, 13.2535,
12.4320


178.6583,
212.5360, 218.3231


 4.8954, 7.6033,
6.9125


 23.8437, 31.7585,
30.9556


 2.2201, 3.8422,
3.3298

 35.0185, 45.3821,
44.7967


 0.7533, 1.5857,
1.2654

 49.2315, 62.4322,
62.2489

 0.0000, 0.3479,
0.0332

 66.8482, 83.2934,
83.7305

 0.0000, 0.0000,
0.0000

 88.2339, 108.3500,
109.6602

 113.7539,

137.9863, 140.4565

143.7736,
172.5869, 176.5380

■ 9.1475, 13.2535,
12.4320

■ 9.1475, 13.2535,
12.4320

■ 8.5167, 12.9463,
11.6049

■ 9.9230, 13.6351,
13.3042

■ 8.0189, 12.7065,
10.8210

■ 10.8516, 14.0945,
14.2214

■ 7.6425, 12.5285,
10.0795

■ 11.9422, 14.6365,
15.1849

■ 7.3597, 12.3979,
9.3785

■ 13.2027, 15.2653,
16.1956

■ 7.2693, 12.3563,
9.1510

■ 14.6407, 15.9846,
17.2542

■ 16.2630, 16.7982,
18.3615

■ 18.0764, 17.7092,
19.5183

■ 20.0869, 18.7211,
20.7253

■ 22.3007, 19.8368,
21.9833

Harmonies

Analogous

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



9.8759, 13.2535, 8.2977



9.1475, 13.2535, 12.4320



9.2658, 13.2535, 18.4056

Triad

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



9.1475, 13.2535, 12.4320



13.9176, 13.2535, 27.7330



15.3188, 13.2535, 7.5337

Complementary

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



9.1475, 13.2535, 12.4320



8.9829, 6.1373, 6.3418

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.



16.6441, 13.2535, 11.0739



9.1475, 13.2535, 12.4320



15.7771, 13.2535, 23.0208

Square

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



9.1475, 13.2535, 12.4320



11.8783, 13.2535, 28.3834



16.8202, 13.2535, 16.6331



13.3442, 13.2535, 6.0171

Rectangle

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



9.1475, 13.2535, 12.4320



9.8128, 13.2535, 22.6760



16.8202, 13.2535, 16.6331



15.8637, 13.2535, 8.4744

Sweetspot

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



9.1479, 13.2540, 12.4323



23.4446, 27.2362, 28.8488



8.9331, 13.3075, 5.0037



5.3430, 6.2593, 6.6103



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



9.1479, 13.2540, 12.4323



14.9415, 23.0325, 20.3249



8.9272, 11.2049, 17.3156



3.4327, 3.7983, 4.0851



8.2365, 14.0121, 10.3323



40.6283, 69.6400, 49.3556

Inverse Universe

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



8.9829, 6.1373, 6.3418



14.6268, 8.9069, 8.2993



9.0193, 7.0419, 3.7897



3.4235, 3.4171, 3.7567



8.0661, 4.1188, 2.1578



39.8315, 20.3779, 8.9108

Previews

White Background



This preview shows how the XYZ color 9.1475, 13.2535, 12.4320 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 9.1475, 13.2535, 12.4320 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

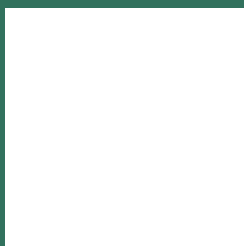
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 9.1475, 13.2535, 12.4320

Background



This preview shows how black text looks on a background with the XYZ color 9.1475, 13.2535, 12.4320.

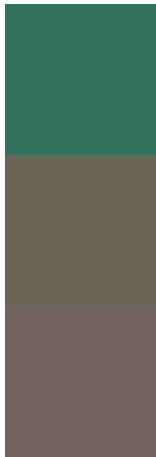


This preview shows how white text looks on a background with the XYZ color 9.1475, 13.2535,

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

9.1475, 13.2535, 12.4320

Protanopia

12.4374, 13.1213, 10.8940

Deuteranopia

13.2891, 13.0906, 12.8927



Tritanopia

10.4260, 13.1151, 19.1215

Trichromacy



Original Color

9.1475, 13.2535, 12.4320

Protanomaly

10.6925, 12.8029, 11.3588

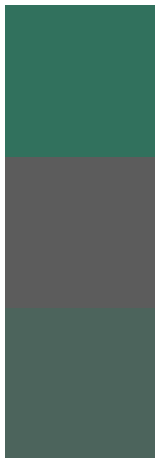
Deuteranomaly

11.1323, 12.7004, 12.6912

Tritanomaly

9.8576, 13.0403, 16.4655

Monochromacy



Original Color

9.1475, 13.2535, 12.4320

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

9.4694, 11.4235, 11.8311

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.1475, 13.2535, 12.4320 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(49, 113, 93)` looks like.

```
.text, #text, p{  
    color:rgb(49, 113, 93)  
}
```

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(49, 113, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 113, 93) }
```

Border

The CSS property to change the border of an element to XYZ 9.1475, 13.2535, 12.4320 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(49, 113, 93) }
```


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

```
.border{ border-color:rgb(49, 113, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 113, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 113, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 113, 93);  
box-shadow:4px 4px 4px 4px rgb(49, 113,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 9.1475, 13.2535, 12.4320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 113, 93) }
```

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

```
.background{ background-color: rgb(49, 113,  
93) }
```

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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