

Converting Colors

XYZ(11.6641, 20.0640, 13.9514)

Have a look what the booklet for
XYZ(11.6641, 20.0640, 13.9514)
contains.

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Color

**XYZ(11.6934, 20.1542,
13.8635)**

Conversions

Conversions Part 1

Format	Color
Hex	008E5E
RGB	0, 142, 94
RGB Percent	0%, 56%, 37%
CMY	1.0000, 0.4431, 0.6314
CMYK	1.00, 0.00, 0.34, 0.44
HSL	160°, 100%, 28%
HSV	160°, 100%, 56%
XYZ	11.6934, 20.1542, 13.8635
YIQ	94.0700, -69.2240, -45.0320

Conversions

Conversions Part 2

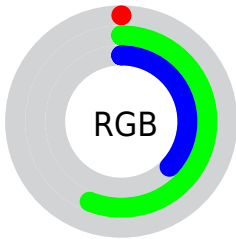
Format	Color
RYB	0, 85, 142
Decimal	36446
CIELab	52.01, -44.47, 16.64
CIELCh	52, 47.486, 159.481
Yxy	20.1542, 0.2558, 0.4409
Android (android.graphics.Color)	4278226526 (0xFF008E5E)
YUV	94.0700, -0.0345, -82.4994
Hunter-Lab	44.8934, -32.0696, 13.1161

Details

The XYZ color **11.6934, 20.1542, 13.8635** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **11.6896, 5.9647, 3.3325**, and the grayscale version is **10.6686, 11.2242, 12.2231**.

A 20% lighter version of the original color is **28.6444, 43.8158, 33.7357**, and **4.1693, 7.5176, 3.9206** is the 20% darker color. If you saturate the color by 10%, you get **11.6937, 20.1549, 13.8633**, and if you desaturate by 10%, it is **12.1004, 20.3389, 15.0428**.

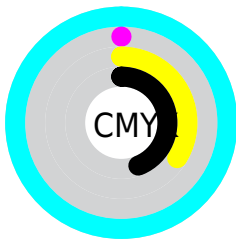
Distribution



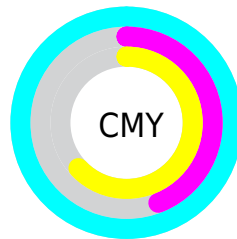
- Red (0%)
- Green (56%)
- Blue (37%)



- Red (0%)
- Yellow (33%)
- Blue (56%)



- Cyan (100%)
- Magenta (0%)
- Yellow (34%)
- Black (44%)





- Cyan (100%)
- Magenta (44%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 11.6934, 20.1542, 13.8635 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 11.6934, 20.1542, 13.8635 by changing the saturation by 10% instead.


 11.6934, 20.1542,
13.8635


 11.6934, 20.1542,
13.8635


196.1765,
252.7487, 227.7788


 6.6060, 12.5072,
7.8881


 28.5572, 43.6756,
33.5603


 3.2610, 7.0901,
3.9367


 41.0642, 60.3187,
48.1187


 1.2933, 3.5185,
1.5907

 56.7752, 80.7293,
66.3753

 0.1782, 1.4080,
0.2842

 76.0555, 105.2918,
88.7486

 0.0000, 0.2226,
0.0000

 99.2704, 134.3906,
115.6570

 0.0000, 0.0000,
0.0000

 126.7853,

168.4101, 147.5191

158.9655,
207.7347, 184.7536

■ 11.6934, 20.1542,
13.8635

■ 11.6934, 20.1542,
13.8635

■ 11.6937, 20.1549,
13.8633

■ 12.1004, 20.3389,
15.0428

■ 12.6421, 20.5909,
16.2991

■ 13.3816, 20.9433,
17.6371

■ 14.3420, 21.4079,
19.0590

■ 15.5428, 21.9948,
20.5668

■ 17.0017, 22.7131,
22.1625

■ 18.7342, 23.5707,
23.8480

■ 20.7549, 24.5751,
25.6248

■ 23.0771, 25.7333,
27.4948

Harmonies

Analogous

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



13.8258, 20.1542, 7.1290



11.6934, 20.1542, 13.8635



11.3631, 20.1542, 26.6356

Triad

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



11.6934, 20.1542, 13.8635



20.7307, 20.1542, 60.1420



27.2766, 20.1542, 8.9834

Complementary

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



11.6934, 20.1542, 13.8635



11.6896, 5.9647, 3.3325

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.



29.8828, 20.1542, 17.8393



11.6934, 20.1542, 13.8635



25.7053, 20.1542, 49.6232

Square

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



11.6934, 20.1542, 13.8635



16.0748, 20.1542, 57.5801



29.2638, 20.1542, 32.6783



22.6076, 20.1542, 5.2485

Rectangle

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



11.6934, 20.1542, 13.8635



12.1414, 20.1542, 37.8535



29.2638, 20.1542, 32.6783



28.4559, 20.1542, 11.2652

Sweetspot

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



11.6939, 20.1550, 13.8640



32.8278, 41.4605, 41.8603



10.9744, 20.0175, 3.2856



7.0701, 9.1304, 9.1014



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.



11.6939, 20.1550, 13.8640



20.5415, 35.5086, 24.0325



11.6842, 15.5559, 27.9790



5.4838, 6.0858, 6.5136



10.5076, 18.0989, 12.4930



0.1108, 0.1772, 0.1738

Inverse Universe

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



11.6896, 5.9647, 3.3325



20.5428, 10.4895, 5.5089



11.4297, 6.2987, 0.6136



5.4794, 5.4523, 6.0226



10.5028, 5.3581, 3.0333



0.1099, 0.0550, 0.0791

Previews

White Background



This preview shows how the XYZ color 11.6934, 20.1542, 13.8635 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 11.6934, 20.1542, 13.8635 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 11.6934, 20.1542, 13.8635

Background



This preview shows how black text looks on a background with the XYZ color 11.6934, 20.1542, 13.8635.



This preview shows how white text looks on a background with the XYZ color 11.6934, 20.1542,

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

11.6934, 20.1542, 13.8635

Protanopia

18.4355, 19.8243, 11.6589

Deuteranopia

20.3506, 20.0238, 14.5968



Tritanopia

15.1189, 20.0562, 30.2685

Trichromacy



Original Color

11.6934, 20.1542, 13.8635

Protanomaly

13.5321, 18.6178, 12.3316

Deuteranomaly

14.1607, 18.3171, 14.0985

Tritanomaly

13.4843, 20.0006, 23.2285

Monochromacy



Original Color

11.6934, 20.1542, 13.8635

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

9.5683, 13.1377, 12.6212

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.6934, 20.1542, 13.8635 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(0, 142, 94)` looks like.

```
.text, #text, p{  
    color:rgb(0, 142, 94)  
}
```

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(0, 142, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 142, 94) }
```

Border

The CSS property to change the border of an element to XYZ 11.6934, 20.1542, 13.8635 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(0, 142, 94) }
```


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

```
.border{ border-color:rgb(0, 142, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 142, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 142, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 142, 94);  
box-shadow:4px 4px 4px 4px rgb(0, 142, 94)  
}
```

Background

The CSS property to change the background color of an element to XYZ 11.6934, 20.1542, 13.8635 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 142, 94) }
```

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

```
.background{ background-color: rgb(0, 142,  
94) }
```

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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