

Converting Colors

XYZ(13.5379, 25.1411, 7.6302)

Have a look what the booklet for
XYZ(13.5379, 25.1411, 7.6302)
contains.

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Color

**XYZ(13.4884, 25.0271,
7.6098)**

Conversions

Conversions Part 1

Format	Color
Hex	209E36
RGB	32, 158, 54
RGB Percent	13%, 62%, 21%
CMY	0.8745, 0.3804, 0.7882
CMYK	0.80, 0.00, 0.66, 0.38
HSL	130°, 66%, 37%
HSV	130°, 80%, 62%
XYZ	13.4884, 25.0271, 7.6098
YIQ	108.4700, -41.7120, -59.0560

Conversions

Conversions Part 2

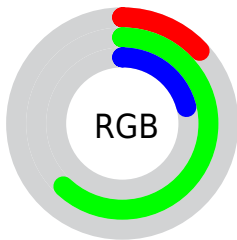
Format	Color
R_{YB}	32, 139, 158
Decimal	2137654
CIE _{Lab}	57.10, -54.29, 43.66
CIE _{LCh}	57, 69.666, 141.198
Yxy	25.0271, 0.2924, 0.5426
Android (android.graphics.Color)	4280327734 (0xFF209E36)
YUV	108.4700, -26.8537, -67.0642
Hunter-Lab	50.0271, -39.4199, 26.0002

Details

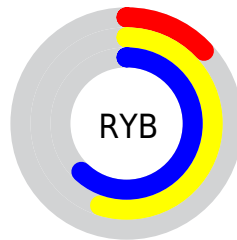
The XYZ color **13.4884, 25.0271, 7.6098** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **19.0618, 10.0802, 24.2345**, and the grayscale version is **14.4685, 15.2219, 16.5767**.

A 20% lighter version of the original color is **31.8519, 51.8224, 21.6886**, and **5.0516, 10.1032, 1.6839** is the 20% darker color. If you saturate the color by 10%, you get **12.8441, 24.7264, 6.1900**, and if you desaturate by 10%, it is **14.4514, 25.4840, 9.4744**.

Distribution



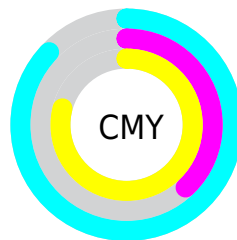
- Red (13%)
- Green (62%)
- Blue (21%)



- Red (13%)
- Yellow (55%)
- Blue (62%)



- Cyan (80%)
- Magenta (0%)
- Yellow (66%)
- Black (38%)



- Cyan (87%)
- Magenta (38%)
- Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.4884, 25.0271, 7.6098 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 13.4884, 25.0271, 7.6098 by changing the saturation by 10% instead.

■ 13.4884, 25.0271,
7.6098

■ 13.4884, 25.0271,
7.6098

207.5994,
277.9729, 182.4574

■ 7.8450, 16.0972,
3.7621

■ 31.7724, 51.7012,
21.7233

■ 4.0469, 9.5930,
1.4958

■ 45.1437, 70.2142,
32.8261

■ 1.7287, 5.1299,
0.2148

■ 61.8217, 92.6904,
47.1845

■ 0.4741, 2.3237,
0.0000

■ 82.1717, 119.5142,
65.2169

■ 0.0000, 0.7862,
0.0000

■ 106.5592,
151.0699, 87.3418

■ 0.0000, 0.0000,
0.0000

■ 135.3494,

187.7420, 113.9779

168.9077,
229.9149, 145.5436

■ 13.4884, 25.0271,
7.6098

■ 13.4884, 25.0271,
7.6098

■ 12.8441, 24.7264,
6.1900

■ 14.4514, 25.4840,
9.4744

■ 12.4410, 24.5407,
5.1747

■ 15.7671, 26.1118,
11.8152

■ 12.4320, 24.5365,
5.1537

■ 17.4669, 26.9268,
14.6623

■ 19.5782, 27.9426,
18.0434

■ 22.1258, 29.1714,
21.9836

■ 25.1328, 30.6245,
26.5068

■ 28.6202, 32.3125,
31.6353

■ 32.6081, 34.2451,
37.3904

■ 37.1153, 36.4316,
43.7922

Harmonies

Analogous

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



18.5263, 25.0271, 3.1022



13.4884, 25.0271, 7.6098



11.3539, 25.0271, 20.9040

Triad

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



13.4884, 25.0271, 7.6098



21.4539, 25.0271, 100.7387



41.7387, 25.0271, 13.9591

Complementary

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



13.4884, 25.0271, 7.6098



19.0618, 10.0802, 24.2345

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.



43.0347, 25.0271, 34.7662



13.4884, 25.0271, 7.6098



29.9610, 25.0271, 94.8208

Square

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



13.4884, 25.0271, 7.6098



15.2070, 25.0271, 79.8128



38.3240, 25.0271, 66.5060



35.1076, 25.0271, 5.0264

Rectangle

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



13.4884, 25.0271, 7.6098



11.4241, 25.0271, 37.0013



38.3240, 25.0271, 66.5060



42.8648, 25.0271, 19.3832

Sweetspot

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



13.4890, 25.0281, 7.6104



42.9536, 54.3135, 44.1200



22.8050, 29.8775, 5.9317



9.2781, 12.0489, 9.3343



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



13.4890, 25.0281, 7.6104



22.7413, 44.6348, 9.6911



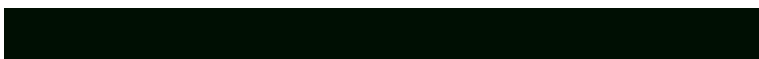
15.9756, 26.0228, 20.7047



6.5957, 7.4190, 7.3055



9.9672, 19.6548, 4.1844



0.1897, 0.3560, 0.1354

Inverse Universe

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



19.0618, 10.0802, 24.2345



33.1357, 16.3558, 40.4041



15.8538, 8.7970, 7.3415



6.8544, 6.7347, 8.0845



14.5552, 7.1266, 17.7064



0.2722, 0.1322, 0.3795

Previews

White Background



This preview shows how the XYZ color 13.4884, 25.0271, 7.6098 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 13.4884, 25.0271, 7.6098 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

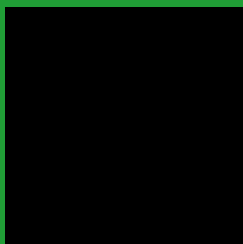
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 13.4884, 25.0271, 7.6098

Background



This preview shows how black text looks on a background with the XYZ color 13.4884, 25.0271, 7.6098.



This preview shows how white text looks on a background with the XYZ color 13.4884, 25.0271,

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

13.4884, 25.0271, 7.6098

Protanopia

22.2866, 24.4971, 6.3501

Deuteranopia

24.8959, 24.3842, 8.0971



Tritanopia

19.4609, 25.0200, 37.0613

Trichromacy



Original Color

13.4884, 25.0271, 7.6098



Protanomaly

16.7333, 23.3650, 6.6456



Deuteranomaly

17.8014, 23.0043, 7.7770



Tritanomaly

16.3103, 24.6777, 21.9928

Monochromacy



Original Color

13.4884, 25.0271, 7.6098



Achromatopsia

14.2537, 14.9960, 16.3306



Achromatomaly

12.5306, 17.3318, 11.9175

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4884, 25.0271, 7.6098 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(32, 158, 54)` looks like.

```
.text, #text, p{  
    color:rgb(32, 158, 54)  
}
```

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(32, 158, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 158, 54) }
```

Border

The CSS property to change the border of an element to XYZ 13.4884, 25.0271, 7.6098 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(32, 158, 54) }
```


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

```
.border{ border-color:rgb(32, 158, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(32, 158, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 158, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 158, 54);  
box-shadow:4px 4px 4px 4px rgb(32, 158,  
54) }
```

Background

The CSS property to change the background color of an element to XYZ 13.4884, 25.0271, 7.6098 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 158, 54) }
```

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

```
.background{ background-color: rgb(32, 158,  
54) }
```

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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