

Converting Colors

XYZ(13.2140, 24.8023, 8.5217)

Have a look what the booklet for
XYZ(13.2140, 24.8023, 8.5217)
contains.

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Color

**XYZ(13.2503, 24.8840,
8.5196)**

Conversions

Conversions Part 1

Format	Color
Hex	0E9E3D
RGB	14, 158, 61
RGB Percent	5%, 62%, 24%
CMY	0.9451, 0.3804, 0.7608
CMYK	0.91, 0.00, 0.61, 0.38
HSL	140°, 84%, 34%
HSV	140°, 91%, 62%
XYZ	13.2503, 24.8840, 8.5196
YIQ	103.8860, -54.6870, -60.6950

Conversions

Conversions Part 2

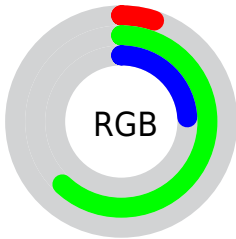
Format	Color
R_{YB}	14, 123, 158
Decimal	958013
CIE _{Lab}	56.96, -55.23, 40.25
CIE _{LCh}	57, 68.346, 143.916
Yxy	24.8840, 0.2840, 0.5334
Android (android.graphics.Color)	4279148093 (0xFF0E9E3D)
YUV	103.8860, -21.1428, -78.8300
Hunter-Lab	49.8839, -39.8831, 24.7926

Details

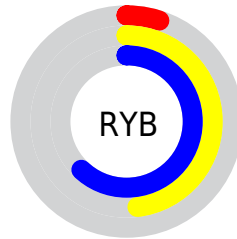
The XYZ color **13.2503, 24.8840, 8.5196** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **17.1278, 8.7314, 15.8232**, and the grayscale version is **13.1937, 13.8808, 15.1162**.

A 20% lighter version of the original color is **31.3848, 51.5383, 23.6230**, and **5.0844, 10.1163, 1.8570** is the 20% darker color. If you saturate the color by 10%, you get **12.8375, 24.6987, 7.2888**, and if you desaturate by 10%, it is **13.9153, 25.1910, 10.1995**.

Distribution



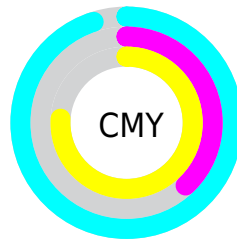
- Red (5%)
- Green (62%)
- Blue (24%)



- Red (5%)
- Yellow (48%)
- Blue (62%)



- Cyan (91%)
- Magenta (0%)
- Yellow (61%)
- Black (38%)





- Cyan (95%)
- Magenta (38%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.2503, 24.8840, 8.5196 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 13.2503, 24.8840, 8.5196 by changing the saturation by 10% instead.


 13.2503, 24.8840,
8.5196


 13.2503, 24.8840,
8.5196


206.1210,
277.2598, 189.8367


 7.6793, 15.9907,
4.3367

 31.3502, 51.4690,
23.5337


 3.9405, 9.5175,
1.8118


 44.6099, 69.9294,
35.2020


 1.6685, 5.0803,
0.4357

 61.1632, 92.3476,
50.2025

 0.4365, 2.2944,
0.0000

 81.3754, 119.1081,
68.9537

 0.0000, 0.7708,
0.0000

 105.6119,
150.5951, 91.8742

 0.0000, 0.0000,
0.0000

 134.2381,

187.1931, 119.3825

167.6194,
229.2866, 151.8972

■ 13.2503, 24.8840,
8.5196

■ 13.2503, 24.8840,
8.5196

■ 12.8375, 24.6987,
7.2888

■ 13.9153, 25.1910,
10.1995

■ 14.8704, 25.6400,
12.2058

■ 16.1498, 26.2488,
14.5558

■ 17.7819, 27.0320,
17.2647

■ 19.7921, 28.0021,
20.3472

■ 22.2033, 29.1709,
23.8167

■ 25.0366, 30.5488,
27.6862

■ 28.3115, 32.1456,
31.9681

■ 32.0462, 33.9707,
36.6741

Harmonies

Analogous

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



17.9349, 24.8840, 3.4551



13.2503, 24.8840, 8.5196



11.3931, 24.8840, 22.6781

Triad

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



13.2503, 24.8840, 8.5196



22.0545, 24.8840, 99.0035



40.7334, 24.8840, 12.8452

Complementary

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



13.2503, 24.8840, 8.5196



17.1278, 8.7314, 15.8232

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.



42.5368, 24.8840, 32.0499



13.2503, 24.8840, 8.5196



30.4696, 24.8840, 90.8342

Square

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



13.2503, 24.8840, 8.5196



15.6824, 24.8840, 80.7476



38.4300, 24.8840, 62.3155



33.9456, 24.8840, 4.7819

Rectangle

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



13.2503, 24.8840, 8.5196



11.6193, 24.8840, 39.1633



38.4300, 24.8840, 62.3155



41.9982, 24.8840, 17.8011

Sweetspot

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



13.2509, 24.8850, 8.5202



42.0858, 53.8303, 45.6998



19.0402, 27.9577, 4.8085



9.1348, 11.9643, 9.8132



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.



13.2509, 24.8850, 8.5202



23.2295, 44.8181, 12.8018



16.5463, 26.2032, 25.8734



6.6356, 7.4350, 7.5155



10.2976, 19.7870, 5.9244



0.2024, 0.3611, 0.2024

Inverse Universe

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



17.1278, 8.7314, 15.8232



30.2768, 15.0688, 25.7915



14.6481, 7.7396, 2.7657



6.8120, 6.7177, 7.8611



13.4133, 6.6699, 11.6936



0.2584, 0.1267, 0.3068

Previews

White Background



This preview shows how the XYZ color 13.2503, 24.8840, 8.5196 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 13.2503, 24.8840, 8.5196 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

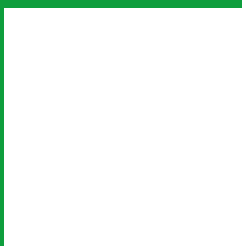
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.2503, 24.8840, 8.5196

Background



This preview shows how black text looks on a background with the XYZ color 13.2503, 24.8840, 8.5196.



This preview shows how white text looks on a background with the XYZ color 13.2503, 24.8840,

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

13.2503, 24.8840, 8.5196

Protanopia

22.2325, 24.4540, 7.0383

Deuteranopia

24.8608, 24.3457, 9.0191



Tritanopia

19.0494, 24.8079, 37.0421

Trichromacy



Original Color

13.2503, 24.8840, 8.5196



Protanomaly

16.0786, 23.0086, 7.4646



Deuteranomaly

16.9170, 22.5290, 8.6112



Tritanomaly

15.9930, 24.4926, 22.9534

Monochromacy



Original Color

13.2503, 24.8840, 8.5196



Achromatopsia

13.1579, 13.8432, 15.0752



Achromatomaly

11.5676, 16.4595, 11.7998

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.2503, 24.8840, 8.5196 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(14, 158, 61)` looks like.

```
.text, #text, p{  
    color:rgb(14, 158, 61)  
}
```

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(14, 158, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(14, 158, 61) }
```

Border

The CSS property to change the border of an element to XYZ 13.2503, 24.8840, 8.5196 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(14, 158, 61) }
```


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

```
.border{ border-color:rgb(14, 158, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(14, 158, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(14, 158, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(14, 158, 61);  
box-shadow:4px 4px 4px 4px rgb(14, 158,  
61) }
```

Background

The CSS property to change the background color of an element to XYZ 13.2503, 24.8840, 8.5196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(14, 158, 61) }
```

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

```
.background{ background-color: rgb(14, 158,  
61) }
```

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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