

Converting Colors

XYZ(25.3183, 49.6465, 9.9207)

Have a look what the booklet for
XYZ(25.3183, 49.6465, 9.9207)
contains.

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Color

**XYZ(25.2052, 49.4097,
9.8776)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 16D824 |
| RGB | 22, 216, 36 |
| RGB Percent | 9%, 85%, 14% |
| CMY | 0.9137, 0.1529, 0.8588 |
| CMYK | 0.90, 0.00, 0.83, 0.15 |
| HSL | 124°, 82%, 47% |
| HSV | 124°, 90%, 85% |
| XYZ | 25.2052, 49.4097, 9.8776 |
| YIQ | 137.4740, -57.8440, -97.1080 |

Conversions

Conversions Part 2

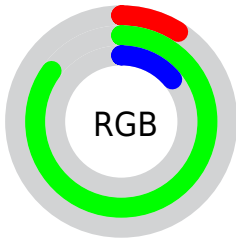
| Format | Color |
|-------------------------------------|----------------------------------|
| RYP | 22, 203, 216 |
| Decimal | 1497124 |
| CIELab | 75.71, -74.05, 68.25 |
| CIElCh | 76, 100.702, 137.335 |
| Yxy | 49.4097, 0.2983, 0.5848 |
| Android (android.graphics.Color) | 4279687204 (0xFF16D824) |
| YUV | 137.4740, -50.0267, -101.2707 |
| Hunter-Lab | 70.2920, -59.0048, 40.8729 |

Details

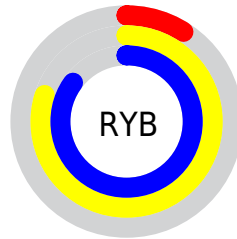
The XYZ color **25.2052, 49.4097, 9.8776** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **39.2672, 19.4375, 57.5571**, and the grayscale version is **24.1586, 25.4167, 27.6788**.

A 20% lighter version of the original color is **44.6467, 75.8466, 23.8420**, and **12.3981, 24.7963, 4.1327** is the 20% darker color. If you saturate the color by 10%, you get **24.6552, 49.1536, 8.6771**, and if you desaturate by 10%, it is **26.2936, 49.9264, 11.9987**.

Distribution



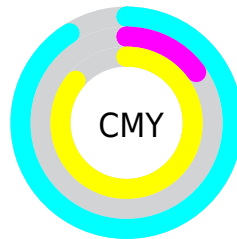
- Red (9%)
- Green (85%)
- Blue (14%)



- Red (9%)
- Yellow (80%)
- Blue (85%)



- Cyan (90%)
- Magenta (0%)
- Yellow (83%)
- Black (15%)





- Cyan (91%)
- Magenta (15%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 25.2052, 49.4097, 9.8776 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 25.2052, 49.4097, 9.8776 by changing the saturation by 10% instead.


 25.2052, 49.4097,
9.8776


 25.2052, 49.4097,
9.8776


271.1871,
384.3530, 200.2492


 16.3595, 34.9446,
5.2133

 51.4304, 89.2996,
26.1692

 9.8714, 23.6202,
2.3121


 69.5407, 115.4933,
38.6337

 5.3754, 15.0521,
0.7380


 91.4699, 146.3652,
54.5353

 2.5062, 8.8560,
0.0000

 117.5834,
182.2998, 74.2925

 0.8984, 4.6474,
0.0000

 148.2465,
223.6815, 98.3240

 0.0000, 2.0419,
0.0000

 183.8246,

 0.0000, 0.6316,

270.8946, 127.0483

0.0000

224.6830,
324.3237, 160.8838

■ 0.0000, 0.0000,
0.0000

■ 25.2052, 49.4097,
9.8776

■ 25.2052, 49.4097,
9.8776

■ 24.6552, 49.1536,
8.6771

■ 26.2936, 49.9264,
11.9987


■ 24.6474, 49.1499,
8.6624

■ 28.0579, 50.7675,
15.1743


■ 30.5863, 51.9774,
19.5187


■ 33.9528, 53.5922,
25.1304

■ 38.2224, 55.6435,
32.0978

 43.4540, 58.1599,
40.5010

 49.7013, 61.1676,
50.4143

 57.0142, 64.6907,
61.9065

 65.4390, 68.7518,
75.0425

Harmonies

Analogous

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



37.0593, 49.4097, 3.2413



25.2052, 49.4097, 9.8776



19.9265, 49.4097, 34.2617

Triad

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



25.2052, 49.4097, 9.8776



39.5243, 49.4097, 229.3220



90.2324, 49.4097, 28.6155

Complementary

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



25.2052, 49.4097, 9.8776



39.2672, 19.4375, 57.5571

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.



91.4072, 49.4097, 79.6304



25.2052, 49.4097, 9.8776



58.4891, 49.4097, 223.6704

Square

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



25.2052, 49.4097, 9.8776



26.5957, 49.4097, 170.3112



78.6081, 49.4097, 157.8594



75.7288, 49.4097, 8.0854

Rectangle

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



25.2052, 49.4097, 9.8776



19.6010, 49.4097, 68.0181



78.6081, 49.4097, 157.8594



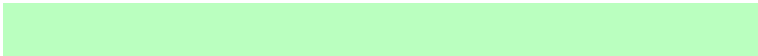
92.3138, 49.4097, 41.7136

Sweetspot

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



25.2064, 49.4117, 9.8787



65.4635, 85.7448, 62.4603



49.3495, 61.8781, 10.1018



13.3871, 18.0522, 12.3729



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



25.2064, 49.4117, 9.8787



35.8726, 71.5650, 12.5128



29.0483, 50.9485, 30.1100



12.2984, 13.9104, 13.3860



14.6030, 29.0966, 5.2052



0.8938, 1.7602, 0.3825

Inverse Universe

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



39.2672, 19.4375, 57.5571



56.4660, 27.3504, 82.1088



31.2121, 16.2155, 15.1394



12.9125, 12.6165, 15.4796



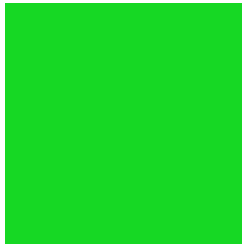
22.9778, 11.1275, 33.5170



1.3978, 0.6759, 2.0839

Previews

White Background



This preview shows how the XYZ color 25.2052, 49.4097, 9.8776 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 25.2052, 49.4097, 9.8776 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

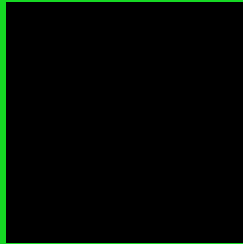
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 25.2052, 49.4097, 9.8776

Background



This preview shows how black text looks on a background with the XYZ color 25.2052, 49.4097, 9.8776.



This preview shows how white text looks on a background with the XYZ color 25.2052, 49.4097,

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

25.2052, 49.4097, 9.8776

Protanopia

43.5592, 48.1870, 8.0421

Deuteranopia

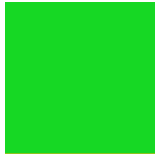
49.0487, 47.9544, 10.6740



Tritanopia

37.8247, 49.0584, 73.1213

Trichromacy



Original Color

25.2052, 49.4097, 9.8776



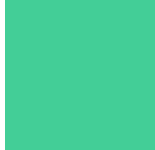
Protanomaly

30.7895, 45.1490, 8.3202



Deuteranomaly

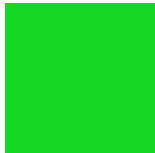
32.5067, 44.0258, 9.8021



Tritanomaly

29.9720, 47.5703, 36.8805

Monochromacy



Original Color

25.2052, 49.4097, 9.8776



Achromatopsia

23.7775, 25.0158, 27.2422



Achromatomaly

20.6558, 30.6254, 16.8792

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.2052, 49.4097, 9.8776 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(22, 216, 36)` looks like.

```
.text, #text, p{  
    color:rgb(22, 216, 36)  
}
```

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(22, 216, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 216, 36) }
```

Border

The CSS property to change the border of an element to XYZ 25.2052, 49.4097, 9.8776 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(22, 216, 36) }
```


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

```
.border{ border-color:rgb(22, 216, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(22, 216, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 216, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 216, 36);  
box-shadow:4px 4px 4px 4px rgb(22, 216,  
36) }
```

Background

The CSS property to change the background color of an element to XYZ 25.2052, 49.4097, 9.8776 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 216, 36) }
```

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

```
.background{ background-color: rgb(22, 216,  
36) }
```

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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