

Converting Colors

XYZ(25.9331, 50.1120, 12.4435)

Have a look what the booklet for
XYZ(25.9331, 50.1120, 12.4435)
contains.

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Color

**XYZ(25.9331, 50.1120,
12.4435)**

Conversions

Conversions Part 1

Format	Color
Hex	16D93B
RGB	22, 217, 59
RGB Percent	9%, 85%, 23%
CMY	0.9137, 0.1490, 0.7686
CMYK	0.90, 0.00, 0.73, 0.15
HSL	131°, 82%, 47%
HSV	131°, 90%, 85%
XYZ	25.9331, 50.1120, 12.4435
YIQ	140.6830, -65.5020, -90.4780

Conversions

Conversions Part 2

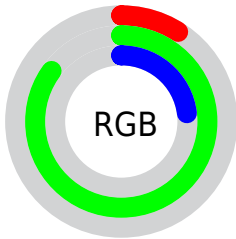
Format	Color
R_{YB}	22, 186, 217
Decimal	1497403
CIE Lab	76.14, -72.85, 61.80
CIE LCh	76, 95.533, 139.690
Yxy	50.1120, 0.2931, 0.5663
Android (android.graphics.Color)	4279687483 (0xFF16D93B)
YUV	140.6830, -40.2697, -104.0850
Hunter-Lab	70.7898, -58.4906, 39.1308

Details

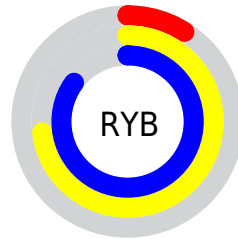
The XYZ color **25.9331, 50.1120, 12.4435** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **37.1413, 18.6213, 44.8153**, and the grayscale version is **25.3653, 26.6863, 29.0613**.

A 20% lighter version of the original color is **45.5366, 76.2025, 28.5282**, and **12.5708, 25.1416, 4.1903** is the 20% darker color. If you saturate the color by 10%, you get **25.2253, 49.7927, 10.4183**, and if you desaturate by 10%, it is **27.1648, 50.6865, 15.2970**.

Distribution



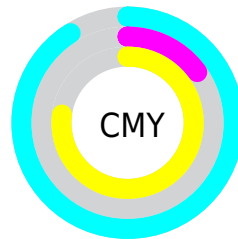
- Red (9%)
- Green (85%)
- Blue (23%)



- Red (9%)
- Yellow (73%)
- Blue (85%)



- Cyan (90%)
- Magenta (0%)
- Yellow (73%)
- Black (15%)



- Cyan (91%)
- Magenta (15%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.9331, 50.1120, 12.4435 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 25.9331, 50.1120, 12.4435 by changing the saturation by 10% instead.

■ 25.9331, 50.1120,
12.4435

■ 25.9331, 50.1120,
12.4435

274.7162,
387.1038, 218.4008

■ 16.9060, 35.5024,
6.9203

■ 52.5991, 90.3408,
30.9767

■ 10.2624, 24.0501,
3.3346

■ 70.9687, 116.7288,
44.8238

■ 5.6369, 15.3708,
1.2679

■ 93.1832, 147.8117,
62.2825

■ 2.6641, 9.0800,
0.0353

■ 119.6079,
183.9739, 83.7715

■ 0.9787, 4.7934,
0.0000

■ 150.6082,
225.5998, 109.7093

■ 0.0000, 2.1266,
0.0000

186.5494,

■ 0.0000, 0.6795,

273.0738, 140.5144

0.0000

227.7970,
326.7804, 176.6054

■ 0.0000, 0.0000,
0.0000

■ 25.9331, 50.1120,
12.4435

■ 25.9331, 50.1120,
12.4435

■ 25.2253, 49.7927,
10.4183

■ 27.1648, 50.6865,
15.2970

■ 25.2172, 49.7890,
10.3956

■ 29.0485, 51.5764,
19.0541

■ 31.6646, 52.8231,
23.7842

■ 35.0809, 54.4602,
29.5488

■ 39.3569, 56.5173,
36.4044

■ 44.5467, 59.0210,
44.4034

■ 50.6996, 61.9959,
53.5946

■ 57.8617, 65.4647,
64.0243

■ 66.0758, 69.4485,
75.7361

Harmonies

Analogous

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



36.9620, 50.1120, 4.4539



25.9331, 50.1120, 12.4435



21.1848, 50.1120, 38.7743

Triad

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



25.9331, 50.1120, 12.4435



41.7395, 50.1120, 220.0174



87.8751, 50.1120, 27.6623

Complementary

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



25.9331, 50.1120, 12.4435



37.1413, 18.6213, 44.8153

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.



90.0819, 50.1120, 74.1448



25.9331, 50.1120, 12.4435



60.1753, 50.1120, 209.6291

Square

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



25.9331, 50.1120, 12.4435



28.6748, 50.1120, 169.3154



78.9427, 50.1120, 146.2329



73.5056, 50.1120, 8.6595

Rectangle

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



25.9331, 50.1120, 12.4435



21.1472, 50.1120, 72.8672



78.9427, 50.1120, 146.2329



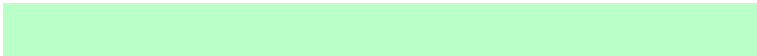
90.1805, 50.1120, 39.6143

Sweetspot

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



25.9343, 50.1141, 12.4446



66.3801, 86.1115, 67.2869



44.0741, 59.5400, 9.9285



13.5969, 18.1362, 13.4781



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.



25.9343, 50.1141, 12.4446



36.3016, 71.7367, 14.7722



31.0823, 52.1733, 39.5539



12.9870, 14.6464, 14.3944



15.2936, 30.1501, 6.4455



1.0208, 1.9653, 0.5757

Inverse Universe

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



37.1413, 18.6213, 44.8153



52.4546, 25.7458, 60.9852



30.4938, 15.9623, 9.8103



13.5029, 13.2303, 15.9094



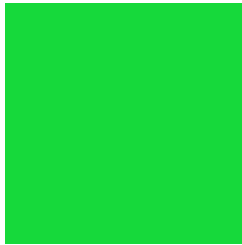
22.0923, 10.8379, 25.9296



1.4591, 0.7133, 1.8267

Previews

White Background



This preview shows how the XYZ color 25.9331, 50.1120, 12.4435 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 25.9331, 50.1120, 12.4435 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

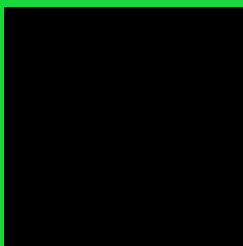
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

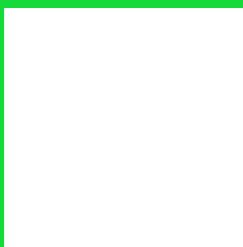
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 25.9331, 50.1120, 12.4435

Background



This preview shows how black text looks on a background with the XYZ color 25.9331, 50.1120, 12.4435.



This preview shows how white text looks on a background with the XYZ color 25.9331, 50.1120,

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

25.9331, 50.1120, 12.4435

Protanopia

44.4509, 48.9121, 10.2301

Deuteranopia

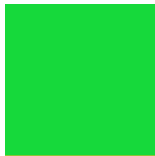
49.9132, 48.9276, 13.2918



Tritanopia

38.2211, 49.5797, 74.5732

Trichromacy



Original Color

25.9331, 50.1120, 12.4435



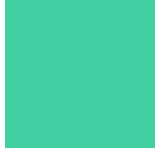
Protanomaly

31.6166, 45.8616, 10.6758



Deuteranomaly

33.4414, 45.0975, 12.5724



Tritanomaly

30.9926, 48.3571, 41.4186

Monochromacy



Original Color

25.9331, 50.1120, 12.4435



Achromatopsia

25.3171, 26.6356, 29.0061



Achromatomaly

22.0942, 32.1203, 20.0743

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.9331, 50.1120, 12.4435 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, 217, 59)` looks like.

```
.text, #text, p{  
    color:rgb(22, 217, 59)  
}
```

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, 217, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 217, 59) }
```

Border

The CSS property to change the border of an element to XYZ 25.9331, 50.1120, 12.4435 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, 217, 59) }
```


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

```
.border{ border-color:rgb(22, 217, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(22, 217, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 217, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 217, 59);  
box-shadow:4px 4px 4px 4px rgb(22, 217,  
59) }
```

Background

The CSS property to change the background color of an element to XYZ 25.9331, 50.1120, 12.4435 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 217, 59) }
```

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

```
.background{ background-color: rgb(22, 217,  
59) }
```

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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