

Converting Colors

XYZ(25.6562, 49.6224, 10.8655)

Have a look what the booklet for
XYZ(25.6562, 49.6224, 10.8655)
contains.

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Color

**XYZ(25.6646, 49.6240,
10.9151)**

Conversions

Conversions Part 1

Format	Color
Hex	20D82F
RGB	32, 216, 47
RGB Percent	13%, 85%, 18%
CMY	0.8745, 0.1529, 0.8157
CMYK	0.85, 0.00, 0.78, 0.15
HSL	125°, 74%, 49%
HSV	125°, 85%, 85%
XYZ	25.6646, 49.6240, 10.9151
YIQ	141.7180, -55.4150, -91.5670

Conversions

Conversions Part 2

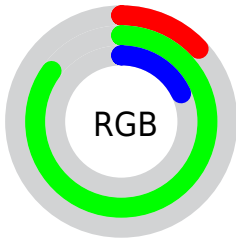
Format	Color
RYB	32, 202, 216
Decimal	2152495
CIELab	75.84, -72.68, 65.43
CIELCh	76, 97.795, 138.003
Yxy	49.6240, 0.2977, 0.5757
Android (android.graphics.Color)	4280342575 (0xFF20D82F)
YUV	141.7180, -46.6960, -96.2227
Hunter-Lab	70.4443, -58.2456, 40.1242

Details

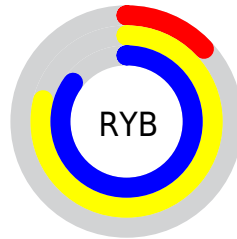
The XYZ color **25.6646, 49.6240, 10.9151** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **39.3787, 19.8494, 57.0120**, and the grayscale version is **25.7952, 27.1386, 29.5539**.

A 20% lighter version of the original color is **45.4317, 76.2054, 25.9503**, and **12.3981, 24.7963, 4.1327** is the 20% darker color. If you saturate the color by 10%, you get **24.8868, 49.2607, 9.2438**, and if you desaturate by 10%, it is **27.0653, 50.2904, 13.5666**.

Distribution



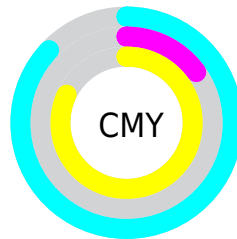
- Red (13%)
- Green (85%)
- Blue (18%)



- Red (13%)
- Yellow (79%)
- Blue (85%)



- Cyan (85%)
- Magenta (0%)
- Yellow (78%)
- Black (15%)





- Cyan (87%)
- Magenta (15%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 25.6646, 49.6240, 10.9151 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 25.6646, 49.6240, 10.9151 by changing the saturation by 10% instead.


 25.6646, 49.6240,
10.9151


 25.6646, 49.6240,
10.9151


273.4187,
385.1937, 207.8006


 16.7043, 35.1147,
5.8963


 52.1685, 89.6175,
28.1373

 10.1179, 23.7513,
2.7144


 70.4428, 115.8706,
41.1778


 5.5400, 15.1492,
0.9506


 92.5525, 146.8070,
57.7293

 2.6054, 8.9242,
0.0000

 118.8629,
182.8112, 78.2104

 0.9487, 4.6918,
0.0000

 149.7393,
224.2676, 103.0395

 0.0000, 2.0676,
0.0000

 185.5472,

 0.0000, 0.6463,

271.5606, 132.6352

0.0000

226.6519,
325.0745, 167.4161

■ 0.0000, 0.0000,
0.0000

■ 25.6646, 49.6240,
10.9151

■ 25.6646, 49.6240,
10.9151

■ 24.8868, 49.2607,
9.2438

■ 27.0653, 50.2904,
13.5666

■ 24.6629, 49.1561,
8.7442

■ 29.1817, 51.3006,
17.3135

■ 32.0943, 52.6957,
22.2587

■ 35.8721, 54.5092,
28.4922

■ 40.5764, 56.7709,
36.0955

■ 46.2631, 59.5082,
45.1434

■ 52.9836, 62.7459,
55.7052

■ 60.7857, 66.5074,
67.8459

■ 69.7142, 70.8144,
81.6265

Harmonies

Analogous

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



37.1658, 49.6240, 3.7957



25.6646, 49.6240, 10.9151



20.5700, 49.6240, 35.7801

Triad

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



25.6646, 49.6240, 10.9151



40.2669, 49.6240, 223.0351



88.8344, 49.6240, 28.6202

Complementary

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



25.6646, 49.6240, 10.9151



39.3787, 19.8494, 57.0120

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.



90.2882, 49.6240, 77.6269



25.6646, 49.6240, 10.9151



58.8164, 49.6240, 216.1207

Square

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



25.6646, 49.6240, 10.9151



27.4300, 49.6240, 167.8125



78.2075, 49.6240, 152.5113



74.6346, 49.6240, 8.5551

Rectangle

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



25.6646, 49.6240, 10.9151



20.3277, 49.6240, 69.2042



78.2075, 49.6240, 152.5113



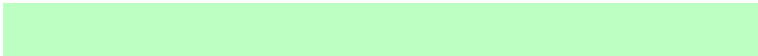
90.9419, 49.6240, 41.2573

Sweetspot

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



25.6658, 49.6261, 10.9162



66.4216, 86.2004, 64.2398



49.6473, 62.0182, 10.7205



13.5732, 18.1405, 12.7286



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.



25.6658, 49.6261, 10.9162



35.8935, 71.5734, 12.6230



29.6156, 51.2060, 31.7158



12.3031, 13.9123, 13.4107



14.6134, 29.1007, 5.2599



0.8960, 1.7611, 0.3942

Inverse Universe

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



39.3787, 19.8494, 57.0120



56.1203, 27.2121, 80.2888



31.7465, 16.7965, 16.8209



12.9073, 12.6144, 15.4520



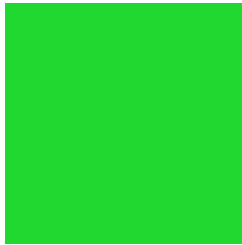
22.8405, 11.0725, 32.7938



1.3909, 0.6731, 2.0476

Previews

White Background



This preview shows how the XYZ color 25.6646, 49.6240, 10.9151 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 25.6646, 49.6240, 10.9151 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

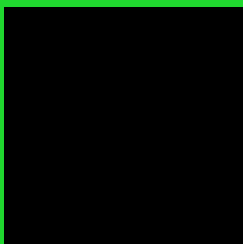
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

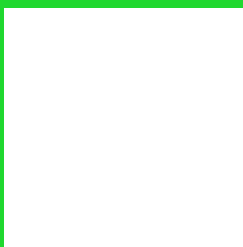
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 25.6646, 49.6240, 10.9151

Background



This preview shows how black text looks on a background with the XYZ color 25.6646, 49.6240, 10.9151.



This preview shows how white text looks on a background with the XYZ color 25.6646, 49.6240,

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

25.6646, 49.6240, 10.9151

Protanopia

43.9375, 48.6742, 8.9988

Deuteranopia

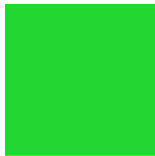
49.4345, 48.4212, 11.7418



Tritanopia

38.1576, 49.2149, 73.8180

Trichromacy



Original Color

25.6646, 49.6240, 10.9151



Protanomaly

31.8858, 46.0290, 9.3944



Deuteranomaly

33.6926, 44.9380, 10.9011



Tritanomaly

30.6706, 47.8825, 39.0782

Monochromacy



Original Color

25.6646, 49.6240, 10.9151



Achromatopsia

25.7108, 27.0498, 29.4572



Achromatomaly

22.3213, 32.2623, 18.9607

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.6646, 49.6240, 10.9151 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, 216, 47)` looks like.

```
.text, #text, p{  
    color:rgb(32, 216, 47)  
}
```

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, 216, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 216, 47) }
```

Border

The CSS property to change the border of an element to XYZ 25.6646, 49.6240, 10.9151 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, 216, 47) }
```


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

```
.border{ border-color:rgb(32, 216, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(32, 216, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 216, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 216, 47);  
box-shadow:4px 4px 4px 4px rgb(32, 216,  
47) }
```

Background

The CSS property to change the background color of an element to XYZ 25.6646, 49.6240, 10.9151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 216, 47) }
```

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

```
.background{ background-color: rgb(32, 216,  
47) }
```

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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