

Converting Colors

XYZ(24.3344, 46.1453, 9.7833)

Have a look what the booklet for
XYZ(24.3344, 46.1453, 9.7833)
contains.

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Color

**XYZ(24.2404, 45.9319,
9.7786)**

Conversions

Conversions Part 1

Format	Color
Hex	31D02A
RGB	49, 208, 42
RGB Percent	19%, 82%, 16%
CMY	0.8078, 0.1843, 0.8353
CMYK	0.76, 0.00, 0.80, 0.18
HSL	117°, 66%, 49%
HSV	117°, 80%, 82%
XYZ	24.2404, 45.9319, 9.7786
YIQ	141.5350, -41.4780, -85.3340

Conversions

Conversions Part 2

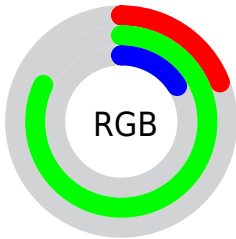
Format	Color
R_YB	42, 208, 201
Decimal	3264554
CIE Lab	73.50, -68.70, 64.75
CIE LCh	74, 94.404, 136.696
Yxy	45.9319, 0.3032, 0.5745
Android (android.graphics.Color)	4281454634 (0xFF31D02A)
YUV	141.5350, -49.0708, -81.1532
Hunter-Lab	67.7731, -54.7588, 38.8865

Details

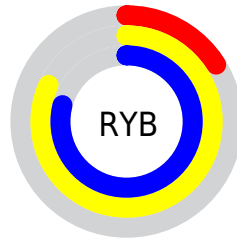
The XYZ color **24.2404, 45.9319, 9.7786** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark washed green. A complement of this color would be **36.3043, 18.6298, 61.3595**, and the grayscale version is **25.7278, 27.0677, 29.4767**.

A 20% lighter version of the original color is **46.1350, 76.5972, 24.6651**, and **11.2282, 22.4565, 3.7427** is the 20% darker color. If you saturate the color by 10%, you get **23.2029, 45.4309, 8.2657**, and if you desaturate by 10%, it is **25.8975, 46.7328, 12.3299**.

Distribution



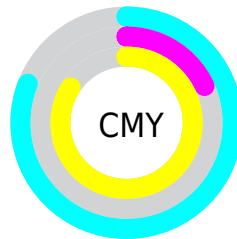
- Red (19%)
- Green (82%)
- Blue (16%)



- Red (16%)
- Yellow (82%)
- Blue (79%)



- Cyan (76%)
- Magenta (0%)
- Yellow (80%)
- Black (18%)





- Cyan (81%)
- Magenta (18%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.2404, 45.9319, 9.7786 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 24.2404, 45.9319, 9.7786 by changing the saturation by 10% instead.


 24.2404, 45.9319,
9.7786


 24.2404, 45.9319,
9.7786


266.4516,
370.5348, 199.5116


 15.6377, 32.1921,
5.1487


 49.8740, 84.1171,
25.9795

 9.3574, 21.5083,
2.2745

 67.6357, 109.3312,
38.3876

 5.0340, 13.4960,
0.7169


 89.1812, 139.1389,
54.2256

 2.3022, 7.7710,
0.0000

 114.8757,
173.9246, 73.9119

 0.7958, 3.9488,
0.0000

 145.0846,
214.0726, 97.8651

 0.0000, 1.6449,
0.0000

 180.1733,

 0.0000, 0.3876,

259.9674, 126.5037

0.0000

220.5072,
311.9933, 160.2464

■ 0.0000, 0.0000,
0.0000

■ 24.2404, 45.9319,
9.7786

■ 24.2404, 45.9319,
9.7786

■ 23.2029, 45.4309,
8.2657

■ 25.8975, 46.7328,
12.3299

■ 22.6736, 45.1736,
7.5360


■ 28.2470, 47.8639,
16.0571

■ 22.6665, 45.1702,
7.5241


■ 31.3550, 49.3582,
21.0803


■ 35.2791, 51.2430,
27.5036

■ 40.0712, 53.5432,
35.4208

 45.7790, 56.2814,
44.9176

 52.4467, 59.4787,
56.0731

 60.1157, 63.1549,
68.9613

 68.8249, 67.3285,
83.6514

Harmonies

Analogous

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



35.0812, 45.9319, 3.5493



24.2404, 45.9319, 9.7786



19.3053, 45.9319, 31.7245

Triad

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



24.2404, 45.9319, 9.7786



36.6894, 45.9319, 203.0693



82.1129, 45.9319, 28.0049

Complementary

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



24.2404, 45.9319, 9.7786



36.3043, 18.6298, 61.3595

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.



82.8635, 45.9319, 74.2463



24.2404, 45.9319, 9.7786



53.5272, 45.9319, 199.5106

Square

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



24.2404, 45.9319, 9.7786



25.1582, 45.9319, 150.9596



71.3803, 45.9319, 143.0752



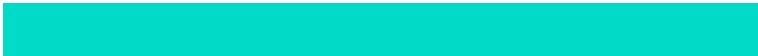
69.5343, 45.9319, 8.5404

Rectangle

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



24.2404, 45.9319, 9.7786



18.9354, 45.9319, 61.4969



71.3803, 45.9319, 143.0752



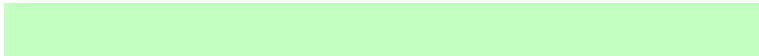
83.8507, 45.9319, 40.0543

Sweetspot

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



24.2415, 45.9338, 9.7796



68.3386, 87.1926, 64.1493



47.0174, 54.7493, 10.2808



13.9439, 18.3349, 12.5945



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.



24.2415, 45.9338, 9.7796



36.1149, 71.6965, 12.2283



26.7056, 46.8835, 24.3809



11.7017, 13.2297, 12.5489



14.1468, 28.1619, 4.6902



0.8076, 1.5832, 0.2630

Inverse Universe

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



36.3043, 18.6298, 61.3595



55.7082, 26.7978, 96.8441



31.0965, 16.7688, 23.8988



12.2595, 11.9826, 14.9104



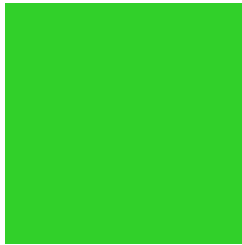
21.8363, 10.4373, 38.0562



1.2365, 0.5916, 2.1286

Previews

White Background



This preview shows how the XYZ color 24.2404, 45.9319, 9.7786 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 24.2404, 45.9319, 9.7786 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

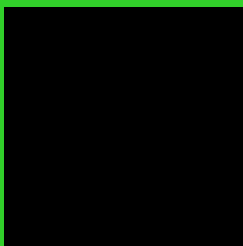
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

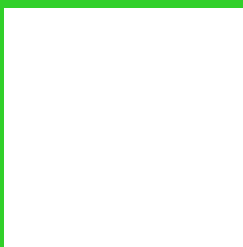
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.2404, 45.9319, 9.7786

Background



This preview shows how black text looks on a background with the XYZ color 24.2404, 45.9319, 9.7786.



This preview shows how white text looks on a background with the XYZ color 24.2404, 45.9319,

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

24.2404, 45.9319, 9.7786

Protanopia

40.5109, 44.7791, 8.0982

Deuteranopia

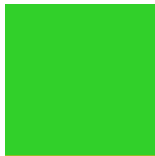
45.9308, 44.9230, 10.5252



Tritanopia

35.7302, 45.7284, 67.2649

Trichromacy



Original Color

24.2404, 45.9319, 9.7786



Protanomaly

30.6174, 43.0778, 8.5349



Deuteranomaly

32.2803, 42.0116, 9.7759



Tritanomaly

29.0770, 44.6904, 35.1106

Monochromacy



Original Color

24.2404, 45.9319, 9.7786



Achromatopsia

25.7108, 27.0498, 29.4572



Achromatomaly

22.4221, 31.5012, 18.5342

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.2404, 45.9319, 9.7786 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(49, 208, 42)` looks like.

```
.text, #text, p{  
    color:rgb(49, 208, 42)  
}
```

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(49, 208, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 208, 42) }
```

Border

The CSS property to change the border of an element to XYZ 24.2404, 45.9319, 9.7786 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(49, 208, 42) }
```


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

```
.border{ border-color:rgb(49, 208, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 208, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 208, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 208, 42);  
box-shadow:4px 4px 4px 4px rgb(49, 208,  
42) }
```

Background

The CSS property to change the background color of an element to XYZ 24.2404, 45.9319, 9.7786 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 208, 42) }
```

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

```
.background{ background-color: rgb(49, 208,  
42) }
```

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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