

Converting Colors

XYZ(24.4760, 46.7699, 9.9270)

Have a look what the booklet for
XYZ(24.4760, 46.7699, 9.9270)
contains.

XYZ(24.5032, 46.7958, 9.9315)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(24.5032, 46.7958,
9.9315)**

Conversions

Conversions Part 1

Format	Color
Hex	2CD22A
RGB	44, 210, 42
RGB Percent	17%, 82%, 16%
CMY	0.8274, 0.1765, 0.8353
CMYK	0.79, 0.00, 0.80, 0.18
HSL	119°, 67%, 49%
HSV	119°, 80%, 82%
XYZ	24.5032, 46.7958, 9.9315
YIQ	141.2140, -45.0080, -87.4400

Conversions

Conversions Part 2

Format	Color
RYB	42, 210, 208
Decimal	2937386
CIELab	74.06, -69.96, 65.25
CIELCh	74, 95.664, 136.998
Yxy	46.7958, 0.3017, 0.5761
Android (android.graphics.Color)	4281127466 (0xFF2CD22A)
YUV	141.2140, -48.9125, -85.2567
Hunter-Lab	68.4075, -55.7753, 39.2774

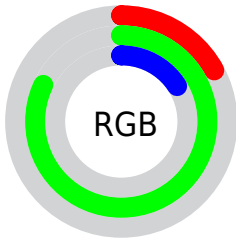
Details

The XYZ color **24.5032, 46.7958, 9.9315** is a dark color, and the websafe version is hex **00CC33**.

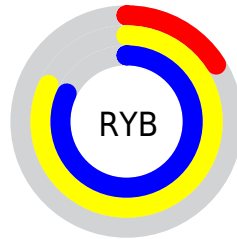
The color can be described as dark washed green. A complement of this color would be **38.4771, 19.7213, 62.7538**, and the grayscale version is **25.6015, 26.9347, 29.3319**.

A 20% lighter version of the original color is **45.7167, 76.3815, 24.6455**, and **11.5556, 23.1112, 3.8519** is the 20% darker color. If you saturate the color by 10%, you get **23.5420, 46.3343, 8.4124**, and if you desaturate by 10%, it is **26.1085, 47.5694, 12.5095**.

Distribution



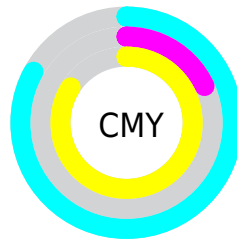
- Red (17%)
- Green (82%)
- Blue (16%)



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



- Cyan (79%)
- Magenta (0%)
- Yellow (80%)
- Black (18%)



- Cyan (83%)
- Magenta (18%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.5032, 46.7958, 9.9315 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 24.5032, 46.7958, 9.9315 by changing the saturation by 10% instead.

■ 24.5032, 46.7958,
9.9315

■ 24.5032, 46.7958,
9.9315

267.7482,
373.9989, 200.6495

■ 15.8341, 32.8743,
5.2486

■ 50.2988, 85.4087,
26.2724

■ 9.4969, 22.0301,
2.3325

■ 68.1560, 110.8689,
38.7674

■ 5.1264, 13.8790,
0.7494

■ 89.8067, 140.9441,
54.7035

■ 2.3571, 8.0366,
0.0000

■ 115.6160,
176.0187, 74.4993

■ 0.8237, 4.1184,
0.0000

■ 145.9495,
216.4771, 98.5732

■ 0.0000, 1.7400,
0.0000

■ 181.1725,

■ 0.0000, 0.4494,

262.7036, 127.3438

0.0000

221.6503,
315.0827, 161.2298

■ 0.0000, 0.0000,
0.0000

■ 24.5032, 46.7958,
9.9315

■ 24.5032, 46.7958,
9.9315

■ 23.5420, 46.3343,
8.4124

■ 26.1085, 47.5694,
12.5095

■ 23.0788, 46.1112,
7.6842


■ 28.4402, 48.6902,
16.2884


■ 23.0787, 46.1111,
7.6840


■ 31.5719, 50.1949,
21.3915


■ 35.5672, 52.1141,
27.9261

■ 40.4835, 54.4752,
35.9887

 46.3731, 57.3033,
45.6671

 53.2846, 60.6216,
57.0426

 61.2630, 64.4519,
70.1912

 70.3510, 68.8145,
85.1840

Harmonies

Analogous

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



35.5408, 46.7958, 3.5327



24.5032, 46.7958, 9.9315



19.5154, 46.7958, 32.5659

Triad

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



24.5032, 46.7958, 9.9315



37.4824, 46.7958, 208.8213



83.9184, 46.7958, 28.0823

Complementary

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



24.5032, 46.7958, 9.9315



38.4771, 19.7213, 62.7538

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.



84.8278, 46.7958, 75.2133



24.5032, 46.7958, 9.9315



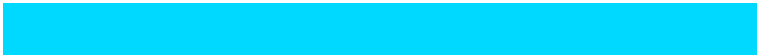
54.8003, 46.7958, 204.4986

Square

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



24.5032, 46.7958, 9.9315



25.6091, 46.7958, 155.5197



73.1214, 46.7958, 145.9520



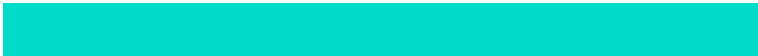
70.8860, 46.7958, 8.4508

Rectangle

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



24.5032, 46.7958, 9.9315



19.1721, 46.7958, 63.3095



73.1214, 46.7958, 145.9520



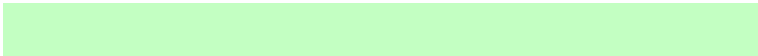
85.7509, 46.7958, 40.3184

Sweetspot

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



24.5043, 46.7977, 9.9326



67.8585, 86.9451, 64.1268



49.3597, 58.5939, 10.8994



13.8328, 18.2777, 12.5893



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.



24.5043, 46.7977, 9.9326



35.9834, 71.6287, 12.2221



27.5907, 48.0227, 26.6216



11.6691, 13.2129, 12.5473



14.0831, 28.1290, 4.6872



0.7921, 1.5752, 0.2623

Inverse Universe

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



38.4771, 19.7213, 62.7538



58.3404, 28.1548, 96.9673



31.3572, 16.9385, 22.3179



12.2964, 12.0016, 14.9121



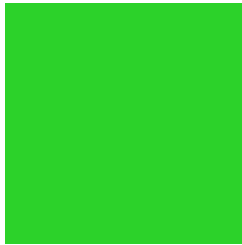
22.8855, 10.9782, 38.1053



1.2842, 0.6162, 2.1308

Previews

White Background



This preview shows how the XYZ color 24.5032, 46.7958, 9.9315 looks on a white background.

Color Contrast Check

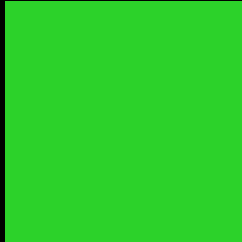
Large Text (above 18pt) WCAG AA × Fail

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 24.5032, 46.7958, 9.9315 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 24.5032, 46.7958, 9.9315

Background



This preview shows how black text looks on a background with the XYZ color 24.5032, 46.7958, 9.9315.



This preview shows how white text looks on a background with the XYZ color 24.5032, 46.7958,

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

24.5032, 46.7958, 9.9315

Protanopia

41.4412, 45.8598, 8.1810

Deuteranopia

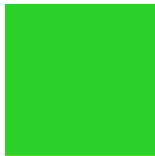
46.7426, 45.6208, 10.6171



Tritanopia

36.2171, 46.6159, 68.7169

Trichromacy



Original Color

24.5032, 46.7958, 9.9315



Protanomaly

30.8606, 43.8526, 8.5881



Deuteranomaly

32.4888, 42.4285, 9.8454



Tritanomaly

29.3722, 45.5118, 36.0907

Monochromacy



Original Color

24.5032, 46.7958, 9.9315



Achromatopsia

25.3171, 26.6356, 29.0061



Achromatomaly

22.1299, 31.3565, 18.2506

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.5032, 46.7958, 9.9315 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(44, 210, 42)` looks like.

```
.text, #text, p{  
    color:rgb(44, 210, 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(44, 210, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 210, 42) }
```

Border

The CSS property to change the border of an element to XYZ 24.5032, 46.7958, 9.9315 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(44, 210, 42) }
```


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

```
.border{ border-color:rgb(44, 210, 42) }
```

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

Here you see how a box with a 4 pixel rgb(44, 210, 42) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 210, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 210, 42);  
box-shadow:4px 4px 4px 4px rgb(44, 210,  
42) }
```

Background

The CSS property to change the background color of an element to XYZ 24.5032, 46.7958, 9.9315 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 210, 42) }
```

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

```
.background{ background-color: rgb(44, 210,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor