

Converting Colors

XYZ(23.6646, 45.1049, 9.5844)

Have a look what the booklet for
XYZ(23.6646, 45.1049, 9.5844)
contains.

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Color

**XYZ(23.7953, 45.3436,
9.5959)**

Conversions

Conversions Part 1

Format	Color
Hex	2DCF29
RGB	45, 207, 41
RGB Percent	18%, 81%, 16%
CMY	0.8235, 0.1882, 0.8392
CMYK	0.78, 0.00, 0.80, 0.19
HSL	119°, 67%, 49%
HSV	119°, 80%, 81%
XYZ	23.7953, 45.3436, 9.5959
YIQ	139.6380, -43.2660, -85.9700

Conversions

Conversions Part 2

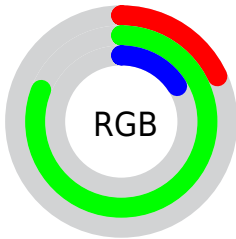
Format	Color
RYB	41, 207, 203
Decimal	3002153
CIELab	73.12, -69.00, 64.65
CIELCh	73, 94.553, 136.865
Yxy	45.3436, 0.3022, 0.5759
Android (android.graphics.Color)	4281192233 (0xFF2DCF29)
YUV	139.6380, -48.6285, -82.9975
Hunter-Lab	67.3377, -54.7638, 38.6873

Details

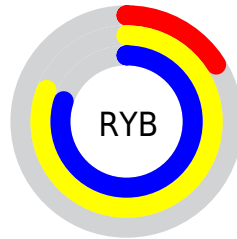
The XYZ color **23.7953, 45.3436, 9.5959** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **36.6873, 18.7895, 60.7269**, and the grayscale version is **24.9828, 26.2838, 28.6231**.

A 20% lighter version of the original color is **45.6680, 76.3620, 24.3890**, and **11.0666, 22.1332, 3.6889** is the 20% darker color. If you saturate the color by 10%, you get **22.8387, 44.8831, 8.1359**, and if you desaturate by 10%, it is **25.3688, 46.1028, 12.0773**.

Distribution



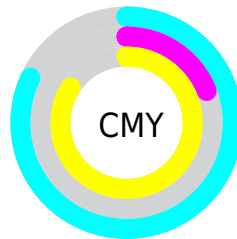
- Red (18%)
- Green (81%)
- Blue (16%)



- Red (16%)
- Yellow (81%)
- Blue (80%)



- Cyan (78%)
- Magenta (0%)
- Yellow (80%)
- Black (19%)





- Cyan (82%)
- Magenta (19%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.7953, 45.3436, 9.5959 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 23.7953, 45.3436, 9.5959 by changing the saturation by 10% instead.


 23.7953, 45.3436,
9.5959


 23.7953, 45.3436,
9.5959


264.2437,
368.1634, 198.1420


 15.3058, 31.7282,
5.0298


 49.1531, 83.2358,
25.6284


 9.1220, 21.1539,
2.2057


 66.7520, 108.2813,
37.9319

 4.8786, 13.2366,
0.6777


 88.1181, 137.9056,
53.6516

 2.2102, 7.5917,
0.0000

 113.6167,
172.4932, 73.2060

 0.7481, 3.8348,
0.0000

 143.6133,
212.4283, 97.0137

 0.0000, 1.5816,
0.0000

 178.4730,

 0.0000, 0.3451,

258.0955, 125.4933

0.0000

218.5614,
309.8790, 159.0632

■ 0.0000, 0.0000,
0.0000

■ 23.7953, 45.3436,
9.5959

■ 23.7953, 45.3436,
9.5959

■ 22.8387, 44.8831,
8.1359

■ 25.3688, 46.1028,
12.0773

■ 22.3760, 44.6595,
7.4408

■ 27.6356, 47.1932,
15.7171

■ 30.6649, 48.6491,
20.6347

■ 34.5161, 50.4991,
26.9338

■ 39.2433, 52.7689,
34.7074

■ 44.8956, 55.4820,
44.0406

■ 51.5186, 58.6603,
55.0118

■ 59.1549, 62.3242,
67.6944

■ 67.8445, 66.4927,
82.1571

Harmonies

Analogous

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



34.5084, 45.3436, 3.4300



23.7953, 45.3436, 9.5959



18.9406, 45.3436, 31.4201

Triad

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



23.7953, 45.3436, 9.5959



36.2624, 45.3436, 201.9499



81.2922, 45.3436, 27.3687

Complementary

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



23.7953, 45.3436, 9.5959



36.6873, 18.7895, 60.7269

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.



82.1133, 45.3436, 73.1160



23.7953, 45.3436, 9.5959



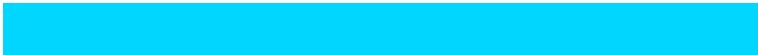
53.0057, 45.3436, 198.0486

Square

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



23.7953, 45.3436, 9.5959



24.7946, 45.3436, 150.2236



70.7435, 45.3436, 141.5873



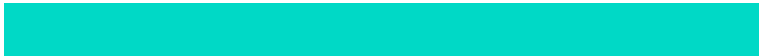
68.7251, 45.3436, 8.2562

Rectangle

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



23.7953, 45.3436, 9.5959



18.5933, 45.3436, 61.0867



70.7435, 45.3436, 141.5873



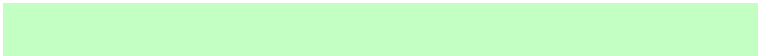
83.0459, 45.3436, 39.2589

Sweetspot

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



23.7964, 45.3455, 9.5969



68.0513, 87.0445, 64.1358



47.1300, 55.4190, 10.3115



13.8774, 18.3007, 12.5914



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.



23.7964, 45.3455, 9.5969



36.0311, 71.6533, 12.2243



26.5267, 46.4183, 24.8487



11.6822, 13.2196, 12.5480



14.1088, 28.1423, 4.6884



0.7983, 1.5784, 0.2626

Inverse Universe

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



36.6873, 18.7895, 60.7269



57.2668, 27.6013, 96.9170



30.5247, 16.4517, 22.5239



12.2815, 11.9940, 14.9114



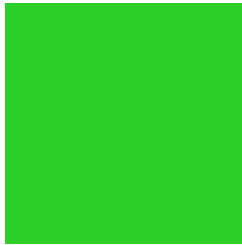
22.4575, 10.7575, 38.0853



1.2648, 0.6062, 2.1299

Previews

White Background



This preview shows how the XYZ color 23.7953, 45.3436, 9.5959 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 23.7953, 45.3436, 9.5959 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 23.7953, 45.3436, 9.5959

Background



This preview shows how black text looks on a background with the XYZ color 23.7953, 45.3436, 9.5959.



This preview shows how white text looks on a background with the XYZ color 23.7953, 45.3436,

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

23.7953, 45.3436, 9.5959

Protanopia

40.0285, 44.2356, 7.9420

Deuteranopia

45.1016, 44.2213, 10.2961



Tritanopia

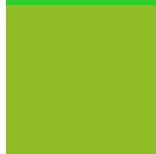
35.1744, 45.1269, 66.5310

Trichromacy



Original Color

23.7953, 45.3436, 9.5959



Protanomaly

30.0331, 42.4581, 8.3626



Deuteranomaly

31.6539, 41.3840, 9.5684



Tritanomaly

28.5211, 44.0725, 34.6074

Monochromacy



Original Color

23.7953, 45.3436, 9.5959



Achromatopsia

24.9269, 26.2251, 28.5591



Achromatomaly

21.5998, 30.5537, 17.8557

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.7953, 45.3436, 9.5959 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(45, 207, 41)` looks like.

```
.text, #text, p{  
    color:rgb(45, 207, 41)  
}
```

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(45, 207, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 207, 41) }
```

Border

The CSS property to change the border of an element to XYZ 23.7953, 45.3436, 9.5959 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(45, 207, 41) }
```


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

```
.border{ border-color:rgb(45, 207, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 207, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 207, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 207, 41);  
box-shadow:4px 4px 4px 4px rgb(45, 207,  
41) }
```

Background

The CSS property to change the background color of an element to XYZ 23.7953, 45.3436, 9.5959 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 207, 41) }
```

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

```
.background{ background-color: rgb(45, 207,  
41) }
```

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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