

Converting Colors

XYZ(23.3908, 43.1341, 10.9999)

Have a look what the booklet for
XYZ(23.3908, 43.1341, 10.9999)
contains.

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Color

**XYZ(23.2561, 42.9094,
10.9275)**

Conversions

Conversions Part 1

Format	Color
Hex	38C939
RGB	56, 201, 57
RGB Percent	22%, 79%, 22%
CMY	0.7804, 0.2118, 0.7765
CMYK	0.72, 0.00, 0.72, 0.21
HSL	120°, 57%, 50%
HSV	120°, 72%, 79%
XYZ	23.2561, 42.9094, 10.9275
YIQ	141.2290, -40.1960, -75.5240

Conversions

Conversions Part 2

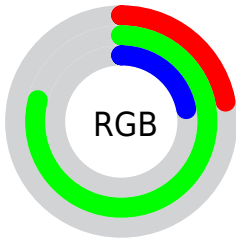
Format	Color
RYB	56, 200, 201
Decimal	3721529
CIELab	71.49, -64.40, 57.91
CIElCh	71, 86.604, 138.037
Yxy	42.9094, 0.3017, 0.5566
Android (android.graphics.Color)	4281911609 (0xFF38C939)
YUV	141.2290, -41.5249, -74.7458
Hunter-Lab	65.5053, -51.2620, 35.9630

Details

The XYZ color **23.2561, 42.9094, 10.9275** 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 **35.9280, 19.4167, 56.4982**, and the grayscale version is **25.5779, 26.9099, 29.3049**.

A 20% lighter version of the original color is **46.9968, 76.9749, 27.7099**, and **10.1254, 20.2508, 3.3751** is the 20% darker color. If you saturate the color by 10%, you get **21.9462, 42.2821, 8.7584**, and if you desaturate by 10%, it is **25.2145, 43.8510, 14.1501**.

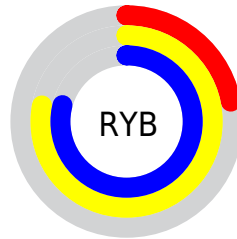
Distribution



Red (22%)

Green (79%)

Blue (22%)



Red (22%)

Yellow (78%)

Blue (79%)

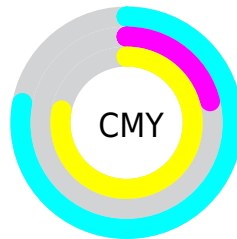


Cyan (72%)

Magenta (0%)

Yellow (72%)

Black (21%)



Cyan (78%)


Magenta (21%)


Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.2561, 42.9094, 10.9275 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 23.2561, 42.9094, 10.9275 by changing the saturation by 10% instead.


 23.2561, 42.9094,
10.9275


 23.2561, 42.9094,
10.9275


261.5485,
358.2390, 207.8890


 14.9045, 29.8140,
5.9045


 48.2771, 79.5741,
28.1606


 8.8382, 19.6975,
2.7193


 65.6771, 103.9123,
41.2079


 4.6921, 12.1753,
0.9531


 86.8240, 132.7668,
57.7670

 2.1006, 6.8632,
0.0000

 112.0831,
166.5221, 78.2564

 0.6896, 3.3767,
0.0000

 141.8197,
205.5626, 103.0949

 0.0000, 1.3314,
0.0000

176.3993,

 0.0000, 0.1653,

250.2727, 132.7007

0.0000

216.1871,
301.0367, 167.4926

■ 0.0000, 0.0000,
0.0000

■ 23.2561, 42.9094,
10.9275

■ 23.2561, 42.9094,
10.9275

■ 21.9462, 42.2821,
8.7584

■ 25.2145, 43.8510,
14.1501

■ 21.1996, 41.9241,
7.5085


■ 27.8870, 45.1345,
18.5336


■ 20.8951, 41.7780,
7.0026

■ 31.3347, 46.7905,
24.1754


■ 35.6111, 48.8449,
31.1618

■ 40.7652, 51.3211,
39.5715

 46.8421, 54.2409,
49.4772

 53.8838, 57.6245,
60.9466

 61.9297, 61.4907,
74.0432

 71.0169, 65.8576,
88.8272

Harmonies

Analogous

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



32.6882, 42.9094, 4.3752



23.2561, 42.9094, 10.9275



19.0098, 42.9094, 31.9479

Triad

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



23.2561, 42.9094, 10.9275



35.2330, 42.9094, 177.9311



73.7588, 42.9094, 25.9720

Complementary

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



23.2561, 42.9094, 10.9275



35.9280, 19.4167, 56.4982

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.



74.9086, 42.9094, 65.4639



23.2561, 42.9094, 10.9275



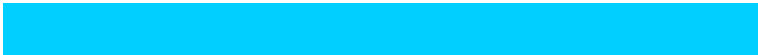
50.1172, 42.9094, 172.6032

Square

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



23.2561, 42.9094, 10.9275



24.7341, 42.9094, 135.7330



65.4471, 42.9094, 123.8233



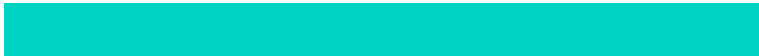
62.6037, 42.9094, 8.7947

Rectangle

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



23.2561, 42.9094, 10.9275



18.8095, 42.9094, 58.8989



65.4471, 42.9094, 123.8233



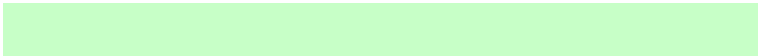
75.4110, 42.9094, 36.3493

Sweetspot

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



23.2571, 42.9112, 10.9285



69.6289, 87.7853, 67.4827



45.6896, 54.4784, 11.8490



14.3527, 18.5250, 13.5457



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.



23.2571, 42.9112, 10.9285



36.6907, 71.9653, 13.5225



26.4479, 44.1875, 27.7311



10.5004, 11.8891, 11.3194



13.1389, 26.2679, 4.4101



0.6232, 1.2442, 0.2144

Inverse Universe

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



35.9280, 19.4167, 56.4982



59.5920, 29.4776, 95.8670



29.4321, 16.8183, 22.2911



11.0798, 10.8153, 13.4038



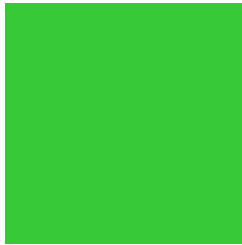
21.6732, 10.4188, 35.0845



1.0273, 0.4938, 1.6668

Previews

White Background



This preview shows how the XYZ color 23.2561, 42.9094, 10.9275 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 23.2561, 42.9094, 10.9275 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

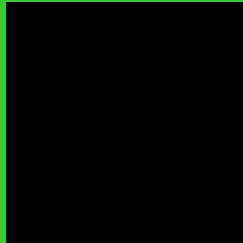
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 23.2561, 42.9094, 10.9275

Background



This preview shows how black text looks on a background with the XYZ color 23.2561, 42.9094, 10.9275.



This preview shows how white text looks on a background with the XYZ color 23.2561, 42.9094,

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

23.2561, 42.9094, 10.9275

Protanopia

38.2175, 42.1045, 9.1303

Deuteranopia

42.8795, 41.9514, 11.6318



Tritanopia

33.6925, 42.8196, 62.9891

Trichromacy



Original Color

23.2561, 42.9094, 10.9275



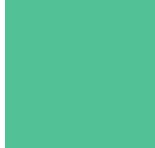
Protanomaly

29.2847, 40.4673, 9.6357



Deuteranomaly

30.9751, 39.4915, 10.9911



Tritanomaly

28.0547, 42.1358, 35.5085

Monochromacy



Original Color

23.2561, 42.9094, 10.9275



Achromatopsia

25.3171, 26.6356, 29.0061



Achromatomaly

22.3421, 30.6352, 19.4875

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2561, 42.9094, 10.9275 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(56, 201, 57)` looks like.

```
.text, #text, p{  
    color:rgb(56, 201, 57)  
}
```

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(56, 201, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 201, 57) }
```

Border

The CSS property to change the border of an element to XYZ 23.2561, 42.9094, 10.9275 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(56, 201, 57) }
```


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

```
.border{ border-color:rgb(56, 201, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 201, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 201, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 201, 57);  
box-shadow:4px 4px 4px 4px rgb(56, 201,  
57) }
```

Background

The CSS property to change the background color of an element to XYZ 23.2561, 42.9094, 10.9275 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 201, 57) }
```

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

```
.background{ background-color: rgb(56, 201,  
57) }
```

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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