

Converting Colors

XYZ(23.0766, 41.9940, 12.5064)

Have a look what the booklet for
XYZ(23.0766, 41.9940, 12.5064)
contains.

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Color

**XYZ(23.1285, 42.1173,
12.5407)**

Conversions

Conversions Part 1

Format	Color
Hex	38C745
RGB	56, 199, 69
RGB Percent	22%, 78%, 27%
CMY	0.7804, 0.2196, 0.7294
CMYK	0.72, 0.00, 0.65, 0.22
HSL	125°, 56%, 50%
HSV	125°, 72%, 78%
XYZ	23.1285, 42.1173, 12.5407
YIQ	141.4230, -43.4980, -70.7460

Conversions

Conversions Part 2

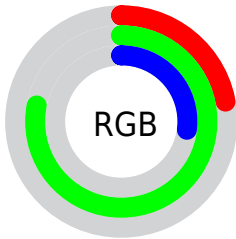
Format	Color
RYB	56, 187, 199
Decimal	3721029
CIELab	70.95, -62.63, 52.61
CIElCh	71, 81.797, 139.972
Yxy	42.1173, 0.2973, 0.5414
Android (android.graphics.Color)	4281911109 (0xFF38C745)
YUV	141.4230, -35.7045, -74.9160
Hunter-Lab	64.8978, -49.9568, 33.9714

Details

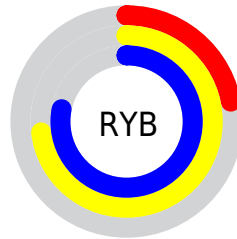
The XYZ color **23.1285, 42.1173, 12.5407** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **33.8313, 18.5162, 48.2453**, and the grayscale version is **25.6329, 26.9678, 29.3680**.

A 20% lighter version of the original color is **47.4412, 77.1361, 30.8007**, and **9.9952, 19.9553, 3.4398** is the 20% darker color. If you saturate the color by 10%, you get **21.7510, 41.4637, 9.9789**, and if you desaturate by 10%, it is **25.1211, 43.0707, 16.0266**.

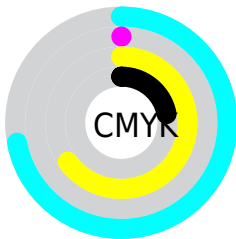
Distribution



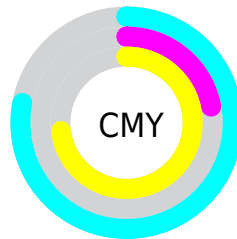
- Red (22%)
- Green (78%)
- Blue (27%)



- Red (22%)
- Yellow (73%)
- Blue (78%)



- Cyan (72%)
- Magenta (0%)
- Yellow (65%)
- Black (22%)



- Cyan (78%)
- Magenta (22%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.1285, 42.1173, 12.5407 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 23.1285, 42.1173, 12.5407 by changing the saturation by 10% instead.

■ 23.1285, 42.1173,
12.5407

■ 23.1285, 42.1173,
12.5407

260.9073,
354.9690, 219.0562

■ 14.8096, 29.1932,
6.9861

■ 48.0693, 78.3771,
31.1551

■ 8.7713, 19.2270,
3.3751

■ 65.4220, 102.4816,
45.0520

■ 4.6482, 11.8344,
1.2892

■ 86.5167, 131.0816,
62.5666

■ 2.0750, 6.6310,
0.0529

■ 111.7187,
164.5616, 84.1177

■ 0.6756, 3.2324,
0.0000

■ 141.3934,
203.3059, 110.1236

■ 0.0000, 1.2543,
0.0000

175.9062,

■ 0.0000, 0.1054,

247.6990, 141.0030

0.0000

215.6224,
298.1252, 177.1743

■ 0.0000, 0.0000,
0.0000

■ 23.1285, 42.1173,
12.5407

■ 23.1285, 42.1173,
12.5407

■ 21.7510, 41.4637,
9.9789

■ 25.1211, 43.0707,
16.0266

■ 20.9134, 41.0693,
8.2508

■ 27.7866, 44.3483,
20.5103

■ 20.5342, 40.8925,
7.3872

■ 31.1796, 45.9781,
26.0611

■ 35.3482, 47.9836,
32.7416

■ 40.3363, 50.3861,
40.6093

■ 46.1847, 53.2055,
49.7179

■ 52.9312, 56.4602,
60.1179

■ 60.6116, 60.1677,
71.8570

■ 69.2597, 64.3445,
84.9803

Harmonies

Analogous

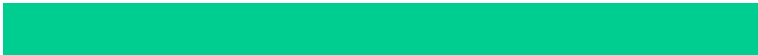
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



31.7295, 42.1173, 5.3032



23.1285, 42.1173, 12.5407



19.3710, 42.1173, 33.9908

Triad

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



23.1285, 42.1173, 12.5407



35.6387, 42.1173, 166.6024



70.0633, 42.1173, 24.7007

Complementary

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



23.1285, 42.1173, 12.5407



33.8313, 18.5162, 48.2453

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.



71.7851, 42.1173, 60.2098



23.1285, 42.1173, 12.5407



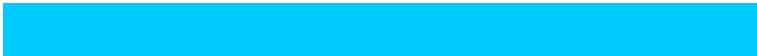
49.6677, 42.1173, 158.7694

Square

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



23.1285, 42.1173, 12.5407



25.4295, 42.1173, 130.6964



63.6421, 42.1173, 113.0593



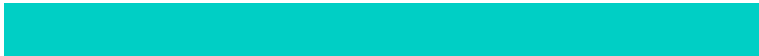
59.3653, 42.1173, 9.0499

Rectangle

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



23.1285, 42.1173, 12.5407



19.3683, 42.1173, 60.1246



63.6421, 42.1173, 113.0593



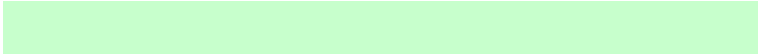
71.7916, 42.1173, 34.0490

Sweetspot

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



23.1295, 42.1190, 12.5416



70.1859, 88.0081, 70.4156



41.6529, 51.7098, 11.5271



14.4809, 18.5763, 14.2209



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.



23.1295, 42.1190, 12.5416



37.1822, 72.1717, 15.6664



26.7461, 43.5657, 31.5863



10.5360, 11.9033, 11.5067



13.2178, 26.2995, 4.8256



0.6396, 1.2508, 0.3009

Inverse Universe

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



33.8313, 18.5162, 48.2453



56.8657, 28.5052, 81.1466



28.0967, 16.2224, 18.0472



11.0399, 10.7994, 13.1934



20.5191, 9.9572, 29.0070



0.9840, 0.4765, 1.4392

Previews

White Background



This preview shows how the XYZ color 23.1285, 42.1173, 12.5407 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 23.1285, 42.1173, 12.5407 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 23.1285, 42.1173, 12.5407

Background



This preview shows how black text looks on a background with the XYZ color 23.1285, 42.1173, 12.5407.



This preview shows how white text looks on a background with the XYZ color 23.1285, 42.1173,

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

23.1285, 42.1173, 12.5407

Protanopia

37.3603, 41.0593, 10.5136

Deuteranopia

42.1640, 41.2762, 13.3342



Tritanopia

32.8208, 41.7678, 61.5905

Trichromacy



Original Color

23.1285, 42.1173, 12.5407



Protanomaly

29.0098, 39.6772, 11.1305



Deuteranomaly

30.7369, 39.0340, 12.7518



Tritanomaly

27.7739, 41.3108, 36.6469

Monochromacy



Original Color

23.1285, 42.1173, 12.5407



Achromatopsia

25.3171, 26.6356, 29.0061



Achromatomaly

22.4452, 30.3935, 20.9032

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1285, 42.1173, 12.5407 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, 199, 69)` looks like.

```
.text, #text, p{  
    color:rgb(56, 199, 69)  
}
```

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, 199, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 199, 69) }
```

Border

The CSS property to change the border of an element to XYZ 23.1285, 42.1173, 12.5407 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, 199, 69) }
```


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

```
.border{ border-color:rgb(56, 199, 69) }
```

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

Here you see how a box with a 4 pixel rgb(56, 199, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 199, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 199, 69);  
box-shadow:4px 4px 4px 4px rgb(56, 199,  
69) }
```

Background

The CSS property to change the background color of an element to XYZ 23.1285, 42.1173, 12.5407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 199, 69) }
```

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

```
.background{ background-color: rgb(56, 199,  
69) }
```

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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