

Converting Colors

XYZ(23.8563, 44.2518, 11.9815)

Have a look what the booklet for
XYZ(23.8563, 44.2518, 11.9815)
contains.

XYZ(23.8553, 44.2484, 11.9861)	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(23.8553, 44.2484,
11.9861)**

Conversions

Conversions Part 1

Format	Color
Hex	33CC3F
RGB	51, 204, 63
RGB Percent	20%, 80%, 25%
CMY	0.8000, 0.2000, 0.7529
CMYK	0.75, 0.00, 0.69, 0.20
HSL	125°, 60%, 50%
HSV	125°, 75%, 80%
XYZ	23.8553, 44.2484, 11.9861
YIQ	142.1790, -45.9270, -76.2870

Conversions

Conversions Part 2

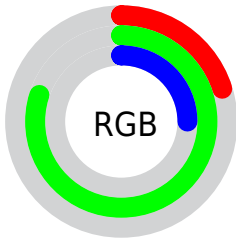
Format	Color
RYB	51, 193, 204
Decimal	3394623
CIELab	72.39, -65.62, 56.55
CIELCh	72, 86.623, 139.244
Yxy	44.2484, 0.2979, 0.5525
Android (android.graphics.Color)	4281584703 (0xFF33CC3F)
YUV	142.1790, -39.0352, -79.9640
Hunter-Lab	66.5195, -52.3952, 35.8802

Details

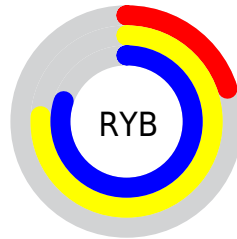
The XYZ color **23.8553, 44.2484, 11.9861** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **35.6011, 19.0114, 51.6623**, and the grayscale version is **25.9459, 27.2971, 29.7266**.

A 20% lighter version of the original color is **46.8560, 76.8693, 29.1973**, and **10.5899, 21.1798, 3.5300** is the 20% darker color. If you saturate the color by 10%, you get **22.6053, 43.6560, 9.6381**, and if you desaturate by 10%, it is **25.7374, 45.1485, 15.3017**.

Distribution



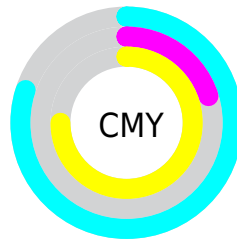
- Red (20%)
- Green (80%)
- Blue (25%)



- Red (20%)
- Yellow (76%)
- Blue (80%)



- Cyan (75%)
- Magenta (0%)
- Yellow (69%)
- Black (20%)





- Cyan (80%)
- Magenta (20%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.8553, 44.2484, 11.9861 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 23.8553, 44.2484, 11.9861 by changing the saturation by 10% instead.


 23.8553, 44.2484,
11.9861


 23.8553, 44.2484,
11.9861


264.5422,
363.7210, 215.2879


 15.3505, 30.8658,
6.6118


 49.2504, 81.5914,
30.1338


 9.1536, 20.4967,
3.1458


 66.8713, 106.3206,
43.7443


 4.8994, 12.7566,
1.1695


 88.2617, 135.6008,
60.9372

 2.2225, 7.2612,
0.0000

 113.7868,
169.8165, 82.1312

 0.7546, 3.6260,
0.0000

 143.8121,
209.3519, 107.7447

 0.0000, 1.4666,
0.0000

178.7028,

 0.0000, 0.2651,

254.5915, 138.1963

0.0000

218.8244,
305.9198, 173.9045

■ 0.0000, 0.0000,
0.0000

■ 23.8553, 44.2484,
11.9861

■ 23.8553, 44.2484,
11.9861

■ 22.6053, 43.6560,
9.6381

■ 25.7374, 45.1485,
15.3017

■ 21.9013, 43.3252,
8.1511

■ 28.3172, 46.3844,
19.6711

■ 21.6873, 43.2249,
7.6906

■ 31.6557, 47.9871,
25.1743

■ 35.8062, 49.9826,
31.8827

■ 40.8172, 52.3945,
39.8619

■ 46.7336, 55.2446,
49.1727

■ 53.5970, 58.5530,
59.8721

■ 61.4463, 62.3389,
72.0137

■ 70.3185, 66.6201,
85.6482

Harmonies

Analogous

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



33.2933, 44.2484, 4.7936



23.8553, 44.2484, 11.9861



19.7015, 44.2484, 34.4156

Triad

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



23.8553, 44.2484, 11.9861



36.9271, 44.2484, 182.3429



75.3682, 44.2484, 25.8583

Complementary

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



23.8553, 44.2484, 11.9861



35.6011, 19.0114, 51.6623

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.



77.0009, 44.2484, 65.1952



23.8553, 44.2484, 11.9861



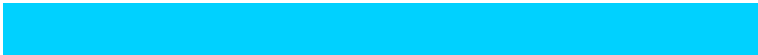
52.2371, 44.2484, 174.8071

Square

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



23.8553, 44.2484, 11.9861



25.9719, 44.2484, 141.0460



67.7424, 44.2484, 124.1739



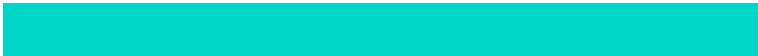
63.7007, 44.2484, 8.8969

Rectangle

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



23.8553, 44.2484, 11.9861



19.6223, 44.2484, 62.6168



67.7424, 44.2484, 124.1739



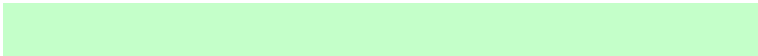
77.1979, 44.2484, 36.1509

Sweetspot

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



23.8564, 44.2502, 11.9871



69.1530, 87.5175, 68.4762



44.3890, 54.8698, 11.3835



14.0952, 18.3922, 13.5387



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.



23.8564, 44.2502, 11.9871



36.6187, 71.9112, 14.2847



27.5249, 45.7177, 31.3056



11.1032, 12.5510, 12.1007



13.6635, 27.2107, 4.9130



0.7176, 1.4088, 0.3203

Inverse Universe

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



35.6011, 19.0114, 51.6623



56.8837, 28.0909, 82.5406



29.3154, 16.4971, 18.5620



11.6481, 11.3880, 13.9475



21.4023, 10.3715, 30.9010



1.1157, 0.5397, 1.6549

Previews

White Background



This preview shows how the XYZ color 23.8553, 44.2484, 11.9861 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 23.8553, 44.2484, 11.9861 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

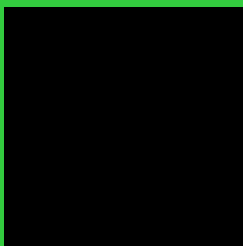
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

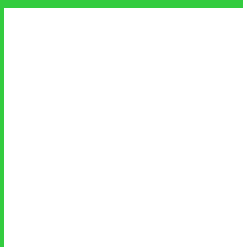
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.8553, 44.2484, 11.9861

Background



This preview shows how black text looks on a background with the XYZ color 23.8553, 44.2484, 11.9861.

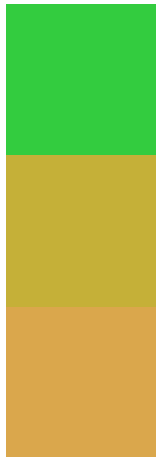


This preview shows how white text looks on a background with the XYZ color 23.8553, 44.2484,

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

23.8553, 44.2484, 11.9861

Protanopia

39.2651, 43.2065, 10.0116

Deuteranopia

44.0367, 43.0647, 12.8288



Tritanopia

34.4907, 44.1507, 65.0966

Trichromacy



Original Color

23.8553, 44.2484, 11.9861



Protanomaly

29.8499, 41.3629, 10.5482



Deuteranomaly

31.3632, 40.2655, 12.0802



Tritanomaly

28.7971, 43.4752, 37.4456

Monochromacy



Original Color

23.8553, 44.2484, 11.9861



Achromatopsia

25.7108, 27.0498, 29.4572



Achromatomaly

22.7424, 31.3537, 20.4760

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8553, 44.2484, 11.9861 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(51, 204, 63)` looks like.

```
.text, #text, p{  
    color:rgb(51, 204, 63)  
}
```

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(51, 204, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 204, 63) }
```

Border

The CSS property to change the border of an element to XYZ 23.8553, 44.2484, 11.9861 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(51, 204, 63) }
```


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

```
.border{ border-color:rgb(51, 204, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 204, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 204, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 204, 63);  
box-shadow:4px 4px 4px 4px rgb(51, 204,  
63) }
```

Background

The CSS property to change the background color of an element to XYZ 23.8553, 44.2484, 11.9861 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 204, 63) }
```

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

```
.background{ background-color: rgb(51, 204,  
63) }
```

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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