

Converting Colors

XYZ(20.6131, 37.2475, 9.8656)

Have a look what the booklet for
XYZ(20.6131, 37.2475, 9.8656)
contains.

XYZ(20.6215, 37.2441, 9.8433)	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(20.6215, 37.2441,
9.8433)**

Conversions

Conversions Part 1

Format	Color
Hex	3DBC38
RGB	61, 188, 56
RGB Percent	24%, 74%, 22%
CMY	0.7608, 0.2627, 0.7804
CMYK	0.68, 0.00, 0.70, 0.26
HSL	118°, 54%, 48%
HSV	118°, 70%, 74%
XYZ	20.6215, 37.2441, 9.8433
YIQ	134.9790, -33.3200, -67.9760

Conversions

Conversions Part 2

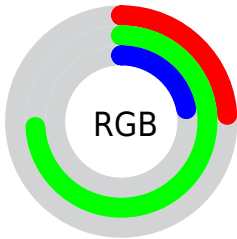
Format	Color
RYB	56, 188, 183
Decimal	4045880
CIELab	67.46, -59.30, 54.13
CIELCh	67, 80.291, 137.605
Yxy	37.2441, 0.3046, 0.5501
Android (android.graphics.Color)	4282235960 (0xFF3DBC38)
YUV	134.9790, -38.9366, -64.8796
Hunter-Lab	61.0279, -46.4833, 33.1566

Details

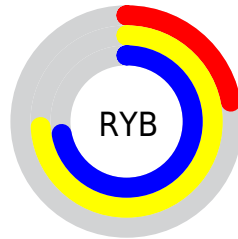
The XYZ color **20.6215, 37.2441, 9.8433** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **30.0221, 16.5280, 49.1869**, and the grayscale version is **23.1710, 24.3777, 26.5473**.

A 20% lighter version of the original color is **43.9243, 70.7906, 26.1007**, and **8.3875, 16.7751, 2.7958** is the 20% darker color. If you saturate the color by 10%, you get **19.3137, 36.6145, 7.8165**, and if you desaturate by 10%, it is **22.4792, 38.1394, 12.7985**.

Distribution



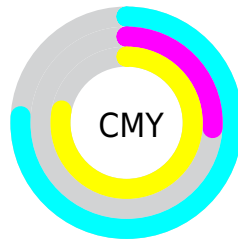
- Red (24%)
- Green (74%)
- Blue (22%)



- Red (22%)
- Yellow (74%)
- Blue (72%)



- Cyan (68%)
- Magenta (0%)
- Yellow (70%)
- Black (26%)





- Cyan (76%)
- Magenta (26%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.6215, 37.2441, 9.8433 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 20.6215, 37.2441, 9.8433 by changing the saturation by 10% instead.


 20.6215, 37.2441,
9.8433


 20.6215, 37.2441,
9.8433


248.0300,
334.3661, 199.9940


 12.9585, 25.3965,
5.1909


 43.9528, 70.9481,
26.1035

 7.4768, 16.3727,
2.2990


 60.3518, 93.5732,
38.5485

 3.8110, 9.7883,
0.7307


 80.3935, 120.5598,
54.4281

 1.5958, 5.2588,
0.0000

 104.4432,
152.2920, 74.1608

 0.3896, 2.3999,
0.0000

 132.8664,
189.1544, 98.1652

 0.0000, 0.8258,
0.0000

 166.0284,

 0.0000, 0.0000,

231.5312, 126.8598

0.0000

204.2945,
279.8070, 160.6633

■ 20.6215, 37.2441,
9.8433

■ 20.6215, 37.2441,
9.8433

■ 19.3137, 36.6145,
7.8165

■ 22.4792, 38.1394,
12.7985

■ 18.4930, 36.2174,
6.6057

■ 24.9354, 39.3202,
16.7723

■ 18.0731, 36.0139,
5.9988

■ 28.0366, 40.8098,
21.8472

■ 31.8238, 42.6278,
28.0966

■ 36.3346, 44.7921,
35.5874

■ 41.6040, 47.3194,
44.3817

■ 47.6647, 50.2253,
54.5372

■ 54.5474, 53.5244,
66.1084

■ 62.2812, 57.2308,
79.1467

Harmonies

Analogous

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



28.7035, 37.2441, 4.1610



20.6215, 37.2441, 9.8433



16.9292, 37.2441, 27.6574

Triad

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



20.6215, 37.2441, 9.8433



30.5516, 37.2441, 149.5473



63.1387, 37.2441, 23.2911

Complementary

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



20.6215, 37.2441, 9.8433



30.0221, 16.5280, 49.1869

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.



63.9625, 37.2441, 56.9377



20.6215, 37.2441, 9.8433



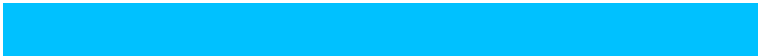
43.0632, 37.2441, 145.7671

Square

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



20.6215, 37.2441, 9.8433



21.7027, 37.2441, 114.1803



55.9479, 37.2441, 105.6983



53.9059, 37.2441, 8.2410

Rectangle

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



20.6215, 37.2441, 9.8433



16.7197, 37.2441, 50.2164



55.9479, 37.2441, 105.6983



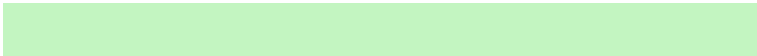
64.4741, 37.2441, 32.2155

Sweetspot

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



20.6224, 37.2457, 9.8441



64.8544, 80.6988, 62.8399



38.0599, 44.1895, 10.2654



13.4418, 17.1117, 12.6739



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



20.6224, 37.2457, 9.8441



34.1310, 65.9346, 12.8619



22.7329, 38.0560, 22.4892



9.4413, 10.6664, 10.1378



12.3188, 24.5265, 4.0848



0.4941, 0.9667, 0.1605

Inverse Universe

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



30.0221, 16.5280, 49.1869



52.1127, 26.0499, 88.5077



26.0905, 15.0950, 22.1696



9.8933, 9.6774, 12.0187



19.1508, 9.1587, 33.1513



0.7614, 0.3645, 1.2991

Previews

White Background



This preview shows how the XYZ color 20.6215, 37.2441, 9.8433 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 20.6215, 37.2441, 9.8433 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 20.6215, 37.2441, 9.8433

Background



This preview shows how black text looks on a background with the XYZ color 20.6215, 37.2441, 9.8433.



This preview shows how white text looks on a background with the XYZ color 20.6215, 37.2441,

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

20.6215, 37.2441, 9.8433

Protanopia

33.1800, 36.4834, 8.1990

Deuteranopia

37.1219, 36.4166, 10.5414



Tritanopia

29.5389, 37.2013, 54.3389

Trichromacy



Original Color

20.6215, 37.2441, 9.8433



Protanomaly

26.0198, 35.2419, 8.6798



Deuteranomaly

27.5066, 34.5869, 10.0767



Tritanomaly

24.6963, 36.4046, 30.9245

Monochromacy



Original Color

20.6215, 37.2441, 9.8433



Achromatopsia

23.0288, 24.2281, 26.3844



Achromatomaly

20.3415, 27.3400, 17.8407

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.6215, 37.2441, 9.8433 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(61, 188, 56)` looks like.

```
.text, #text, p{  
    color:rgb(61, 188, 56)  
}
```

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(61, 188, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 188, 56) }
```

Border

The CSS property to change the border of an element to XYZ 20.6215, 37.2441, 9.8433 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(61, 188, 56) }
```


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

```
.border{ border-color:rgb(61, 188, 56) }
```

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

Here you see how a box with a 4 pixel rgb(61, 188, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 188, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 188, 56);  
box-shadow:4px 4px 4px 4px rgb(61, 188,  
56) }
```

Background

The CSS property to change the background color of an element to XYZ 20.6215, 37.2441, 9.8433 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 188, 56) }
```

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

```
.background{ background-color: rgb(61, 188,  
56) }
```

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