

Converting Colors

XYZ(19.5082, 37.3489, 8.1055)

Have a look what the booklet for
XYZ(19.5082, 37.3489, 8.1055)
contains.

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Color

**XYZ(19.5072, 37.3485,
8.1003)**

Conversions

Conversions Part 1

Format	Color
Hex	24BE27
RGB	36, 190, 39
RGB Percent	14%, 75%, 15%
CMY	0.8588, 0.2549, 0.8470
CMYK	0.81, 0.00, 0.79, 0.25
HSL	121°, 68%, 44%
HSV	121°, 81%, 75%
XYZ	19.5072, 37.3485, 8.1003
YIQ	126.7400, -43.3130, -79.6090

Conversions

Conversions Part 2

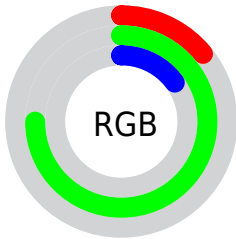
Format	Color
RYB	36, 187, 190
Decimal	2407975
CIELab	67.54, -65.14, 59.91
CIELCh	68, 88.507, 137.394
Yxy	37.3485, 0.3003, 0.5750
Android (android.graphics.Color)	4280598055 (0xFF24BE27)
YUV	126.7400, -43.2558, -79.5790
Hunter-Lab	61.1134, -49.9719, 34.9208

Details

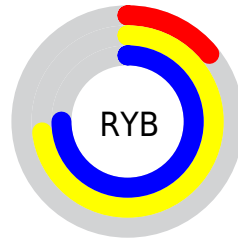
The XYZ color **19.5072, 37.3485, 8.1003** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **30.8361, 15.7970, 48.4353**, and the grayscale version is **20.2387, 21.2927, 23.1877**.

A 20% lighter version of the original color is **42.2806, 71.3774, 22.8581**, and **8.6640, 17.3279, 2.8880** is the 20% darker color. If you saturate the color by 10%, you get **18.7750, 36.9995, 6.8317**, and if you desaturate by 10%, it is **20.7442, 37.9425, 10.1849**.

Distribution



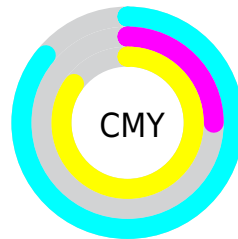
- Red (14%)
- Green (75%)
- Blue (15%)



- Red (14%)
- Yellow (73%)
- Blue (75%)



- Cyan (81%)
- Magenta (0%)
- Yellow (79%)
- Black (25%)





- Cyan (86%)
- Magenta (25%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.5072, 37.3485, 8.1003 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 19.5072, 37.3485, 8.1003 by changing the saturation by 10% instead.


 19.5072, 37.3485,
8.1003


 19.5072, 37.3485,
8.1003


242.1194,
334.8169, 186.4805


 12.1435, 25.4774,
4.0705


 42.0997, 71.1085,
22.7042


 6.9144, 16.4331,
1.6641


 58.0592, 93.7661,
34.1155

 3.4545, 9.8312,
0.3360


 77.6147, 120.7881,
48.8243

 1.3984, 5.2872,
0.0000

 101.1315,
152.5589, 67.2492

 0.2551, 2.4167,
0.0000

 128.9751,
189.4627, 89.8087

 0.0000, 0.8345,
0.0000

 161.5106,

 0.0000, 0.0000,

231.8841, 116.9214

0.0000

199.1036,
280.2073, 149.0058

■ 19.5072, 37.3485,
8.1003

■ 19.5072, 37.3485,
8.1003

■ 18.7750, 36.9995,
6.8317

■ 20.7442, 37.9425,
10.1849

■ 18.4346, 36.8366,
6.2451

■ 22.5520, 38.8098,
13.1884

■ 24.9892, 39.9799,
17.2012

■ 28.1066, 41.4773,
22.3024

■ 31.9498, 43.3240,
28.5632

■ 36.5604, 45.5399,
36.0487

■ 41.9769, 48.1437,
44.8193

■ 48.2353, 51.1527,
54.9313

■ 55.3692, 54.5831,
66.4376

Harmonies

Analogous

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



28.2341, 37.3485, 2.8772



19.5072, 37.3485, 8.1003



15.5907, 37.3485, 26.4012

Triad

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



19.5072, 37.3485, 8.1003



30.0868, 37.3485, 166.4721



66.7958, 37.3485, 22.1196

Complementary

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



19.5072, 37.3485, 8.1003



30.8361, 15.7970, 48.4353

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.



67.6623, 37.3485, 59.3195



19.5072, 37.3485, 8.1003



43.9132, 37.3485, 162.3577

Square

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



19.5072, 37.3485, 8.1003



20.5633, 37.3485, 124.5650



58.4615, 37.3485, 115.4545



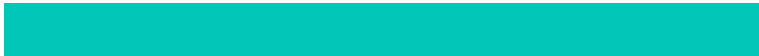
56.3311, 37.3485, 6.6816

Rectangle

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



19.5072, 37.3485, 8.1003



15.3531, 37.3485, 51.0976



58.4615, 37.3485, 115.4545



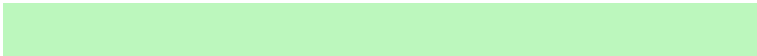
68.2996, 37.3485, 31.7608

Sweetspot

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



19.5081, 37.3501, 8.1011



63.3046, 81.1058, 60.5454



39.3332, 47.5758, 8.7790



13.2407, 17.4927, 12.2230



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



19.5081, 37.3501, 8.1011



33.5278, 66.8105, 11.4799



22.2691, 38.4544, 22.6403



9.4161, 10.6526, 10.1749



12.2608, 24.4946, 4.1704



0.4829, 0.9605, 0.1771

Inverse Universe

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



30.8361, 15.7970, 48.4353



54.6888, 26.4497, 86.7512



24.7051, 13.3446, 16.1499



9.9217, 9.6930, 11.9767



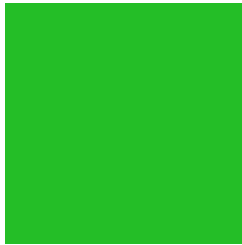
20.0377, 9.6462, 31.8215



0.7875, 0.3789, 1.2601

Previews

White Background



This preview shows how the XYZ color 19.5072, 37.3485, 8.1003 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 19.5072, 37.3485, 8.1003 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

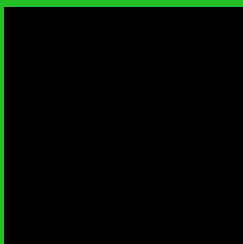
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

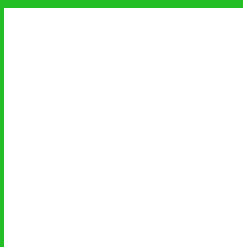
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.5072, 37.3485, 8.1003

Background



This preview shows how black text looks on a background with the XYZ color 19.5072, 37.3485, 8.1003.



This preview shows how white text looks on a background with the XYZ color 19.5072, 37.3485,

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

19.5072, 37.3485, 8.1003

Protanopia

33.1251, 36.4890, 6.6637

Deuteranopia

37.3128, 36.5559, 8.7038



Tritanopia

28.8724, 37.1372, 54.9367

Trichromacy



Original Color

19.5072, 37.3485, 8.1003



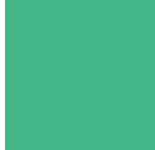
Protanomaly

24.4529, 34.7543, 7.0096



Deuteranomaly

25.8847, 34.0667, 8.1170



Tritanomaly

23.4866, 36.4268, 29.0857

Monochromacy



Original Color

19.5072, 37.3485, 8.1003



Achromatopsia

20.1725, 21.2231, 23.1119



Achromatomaly

17.5880, 25.0186, 14.7286

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.5072, 37.3485, 8.1003 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(36, 190, 39)` looks like.

```
.text, #text, p{  
    color:rgb(36, 190, 39)  
}
```

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(36, 190, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 190, 39) }
```

Border

The CSS property to change the border of an element to XYZ 19.5072, 37.3485, 8.1003 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(36, 190, 39) }
```


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

```
.border{ border-color:rgb(36, 190, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 190, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 190, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 190, 39);  
box-shadow:4px 4px 4px 4px rgb(36, 190,  
39) }
```

Background

The CSS property to change the background color of an element to XYZ 19.5072, 37.3485, 8.1003 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 190, 39) }
```

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

```
.background{ background-color: rgb(36, 190,  
39) }
```

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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