

Converting Colors

XYZ(21.5016, 37.5217, 12.6898)

Have a look what the booklet for
XYZ(21.5016, 37.5217, 12.6898)
contains.

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Color

**XYZ(21.5680, 37.6677,
12.7905)**

Conversions

Conversions Part 1

Format	Color
Hex	43BC4B
RGB	67, 188, 75
RGB Percent	26%, 74%, 29%
CMY	0.7372, 0.2627, 0.7059
CMYK	0.64, 0.00, 0.60, 0.26
HSL	124°, 47%, 50%
HSV	124°, 64%, 74%
XYZ	21.5680, 37.6677, 12.7905
YIQ	138.9390, -35.8430, -60.7950

Conversions

Conversions Part 2

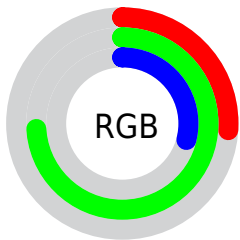
Format	Color
RYB	67, 180, 188
Decimal	4439115
CIELab	67.77, -56.13, 46.49
CIELCh	68, 72.880, 140.365
Yxy	37.6677, 0.2994, 0.5230
Android (android.graphics.Color)	4282629195 (0xFF43BC4B)
YUV	138.9390, -31.5219, -63.0905
Hunter-Lab	61.3740, -44.6762, 30.6056

Details

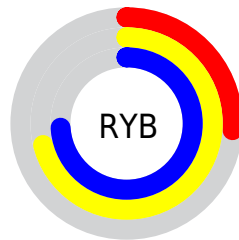
The XYZ color **21.5680, 37.6677, 12.7905** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **30.9855, 18.0016, 45.0223**, and the grayscale version is **24.6454, 25.9289, 28.2366**.

A 20% lighter version of the original color is **45.3853, 71.4263, 31.4733**, and **8.5229, 16.8292, 3.5086** is the 20% darker color. If you saturate the color by 10%, you get **19.9621, 36.9010, 10.0001**, and if you desaturate by 10%, it is **23.7599, 38.7195, 16.4755**.

Distribution



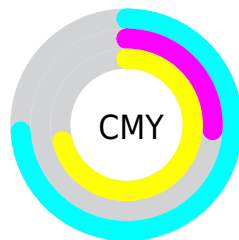
- Red (26%)
- Green (74%)
- Blue (29%)



- Red (26%)
- Yellow (71%)
- Blue (74%)



- Cyan (64%)
- Magenta (0%)
- Yellow (60%)
- Black (26%)





- Cyan (74%)
- Magenta (26%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.5680, 37.6677, 12.7905 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 21.5680, 37.6677, 12.7905 by changing the saturation by 10% instead.


 21.5680, 37.6677,
12.7905


 21.5680, 37.6677,
12.7905


252.9569,
336.1923, 220.7311


 13.6546, 25.7249,
7.1554


 45.5151, 71.5985,
31.6125


 7.9609, 16.6179,
3.4796

 62.2796, 94.3553,
45.6366


 4.1216, 9.9625,
1.3444


 82.7252, 121.4856,
63.2940

 1.7711, 5.3741,
0.0978

 107.2172,
153.3737, 85.0034

 0.5002, 2.4684,
0.0000

 136.1211,
190.4040, 111.1832

 0.0000, 0.8607,
0.0000

169.8020,

 0.0000, 0.0000,

232.9609, 142.2521

0.0000

208.6255,
281.4289, 178.6285

■ 21.5680, 37.6677,
12.7905

■ 21.5680, 37.6677,
12.7905

■ 19.9621, 36.9010,
10.0001

■ 23.7599, 38.7195,
16.4755

■ 18.8832, 36.3874,
8.0259

■ 26.5839, 40.0755,
21.1197

■ 18.2648, 36.0955,
6.7805

■ 30.0849, 41.7585,
26.7846

■ 18.0530, 35.9955,
6.3582

■ 34.3029, 43.7881,
33.5259

■ 39.2745, 46.1821,
41.3953

■ 45.0342, 48.9570,
50.4411

■ 51.6140, 52.1286,
60.7089

■ 59.0445, 55.7116,
72.2418

■ 67.3544, 59.7200,
85.0808

Harmonies

Analogous

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



28.7756, 37.6677, 6.0019



21.5680, 37.6677, 12.7905



18.4008, 37.6677, 31.4759

Triad

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



21.5680, 37.6677, 12.7905



32.2951, 37.6677, 137.7172



60.2123, 37.6677, 22.9803

Complementary

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



21.5680, 37.6677, 12.7905



30.9855, 18.0016, 45.0223

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.



61.7084, 37.6677, 52.3064



21.5680, 37.6677, 12.7905



43.8882, 37.6677, 131.0883

Square

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



21.5680, 37.6677, 12.7905



23.6780, 37.6677, 109.8106



55.2258, 37.6677, 94.7295



51.4866, 37.6677, 9.3744

Rectangle

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



21.5680, 37.6677, 12.7905



18.4316, 37.6677, 53.2286



55.2258, 37.6677, 94.7295



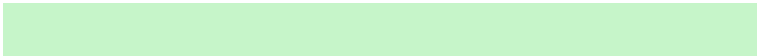
61.6394, 37.6677, 30.8269

Sweetspot

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



21.5689, 37.6693, 12.7913



66.5421, 81.4630, 67.6998



38.2775, 46.3125, 12.2322



13.7667, 17.2569, 13.6982



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.



21.5689, 37.6693, 12.7913



35.3069, 66.4602, 16.5600



24.5707, 38.8700, 28.5986



9.4337, 10.6596, 10.2673



12.3012, 24.5108, 4.3830



0.4907, 0.9636, 0.2182

Inverse Universe

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



30.9855, 18.0016, 45.0223



53.6285, 28.0797, 79.1868



26.2261, 16.0979, 19.9599



9.9020, 9.6851, 11.8729



19.4374, 9.4061, 28.6609



0.7697, 0.3718, 1.1663

Previews

White Background



This preview shows how the XYZ color 21.5680, 37.6677, 12.7905 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 21.5680, 37.6677, 12.7905 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 21.5680, 37.6677, 12.7905

Background



This preview shows how black text looks on a background with the XYZ color 21.5680, 37.6677, 12.7905.



This preview shows how white text looks on a background with the XYZ color 21.5680, 37.6677,

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

21.5680, 37.6677, 12.7905

Protanopia

33.6103, 36.9134, 10.8224

Deuteranopia

37.5761, 36.8345, 13.5168



Tritanopia

29.8591, 37.3536, 54.9264

Trichromacy



Original Color

21.5680, 37.6677, 12.7905



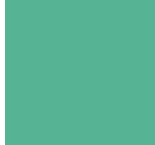
Protanomaly

26.8961, 35.9175, 11.4764



Deuteranomaly

28.4367, 35.2747, 13.0945



Tritanomaly

25.5838, 36.7909, 34.1867

Monochromacy



Original Color

21.5680, 37.6677, 12.7905



Achromatopsia

24.5403, 25.8183, 28.1161



Achromatomaly

22.0194, 28.8856, 20.9379

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.5680, 37.6677, 12.7905 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(67, 188, 75)` looks like.

```
.text, #text, p{  
    color:rgb(67, 188, 75)  
}
```

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(67, 188, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 188, 75) }
```

Border

The CSS property to change the border of an element to XYZ 21.5680, 37.6677, 12.7905 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(67, 188, 75) }
```


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

```
.border{ border-color:rgb(67, 188, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 188, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 188, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 188, 75);  
box-shadow:4px 4px 4px 4px rgb(67, 188,  
75) }
```

Background

The CSS property to change the background color of an element to XYZ 21.5680, 37.6677, 12.7905 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 188, 75) }
```

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

```
.background{ background-color: rgb(67, 188,  
75) }
```

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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