

Converting Colors

XYZ(21.3066, 37.0148, 9.7431)

Have a look what the booklet for
XYZ(21.3066, 37.0148, 9.7431)
contains.

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Color

**XYZ(21.2532, 36.9398,
9.7513)**

Conversions

Conversions Part 1

Format	Color
Hex	4CBA38
RGB	76, 186, 56
RGB Percent	30%, 73%, 22%
CMY	0.7020, 0.2706, 0.7804
CMYK	0.59, 0.00, 0.70, 0.27
HSL	111°, 54%, 47%
HSV	111°, 70%, 73%
XYZ	21.2532, 36.9398, 9.7513
YIQ	138.2900, -23.8300, -63.7500

Conversions

Conversions Part 2

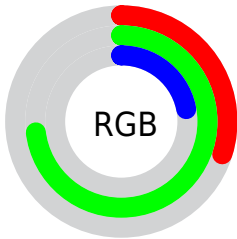
Format	Color
RYB	56, 186, 166
Decimal	5028408
CIELab	67.23, -55.28, 54.02
CIELCh	67, 77.291, 135.658
Yxy	36.9398, 0.3128, 0.5437
Android (android.graphics.Color)	4283218488 (0xFF4CBA38)
YUV	138.2900, -40.5690, -54.6283
Hunter-Lab	60.7781, -43.9429, 33.0321

Details

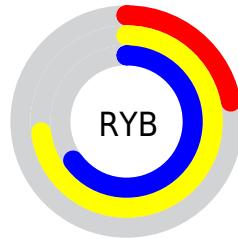
The XYZ color **21.2532, 36.9398, 9.7513** is a dark color, and the websafe version is hex **66CC33**. A complement of this color would be **26.0051, 14.4819, 47.8810**, and the grayscale version is **24.4260, 25.6980, 27.9852**.

A 20% lighter version of the original color is **45.0184, 70.4612, 25.9795**, and **8.2513, 16.5025, 2.7504** is the 20% darker color. If you saturate the color by 10%, you get **19.7792, 36.2242, 7.7332**, and if you desaturate by 10%, it is **23.2038, 37.8838, 12.6752**.

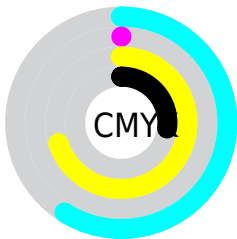
Distribution



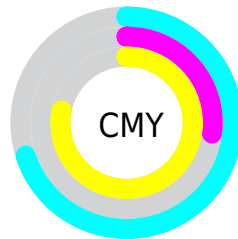
- Red (30%)
- Green (73%)
- Blue (22%)



- Red (22%)
- Yellow (73%)
- Blue (65%)



- Cyan (59%)
- Magenta (0%)
- Yellow (70%)
- Black (27%)





- Cyan (70%)
- Magenta (27%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.2532, 36.9398, 9.7513 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 21.2532, 36.9398, 9.7513 by changing the saturation by 10% instead.


 21.2532, 36.9398,
9.7513


 21.2532, 36.9398,
9.7513


251.3274,
333.0498, 199.3076


 13.4227, 25.1609,
5.1309


 44.9967, 70.4802,
25.9271


 7.7993, 16.1970,
2.2642


 61.6403, 93.0104,
38.3197


 4.0175, 9.6636,
0.7111


 81.9525, 119.8933,
54.1400

 1.7120, 5.1765,
0.0000

 106.2984,
151.5131, 73.8067

 0.4638, 2.3512,
0.0000

 135.0435,
188.2542, 97.7382

 0.0000, 0.8006,
0.0000

 168.5532,

 0.0000, 0.0000,

230.5011, 126.3532

0.0000

207.1927,
278.6382, 160.0702

■ 21.2532, 36.9398,
9.7513

■ 21.2532, 36.9398,
9.7513

■ 19.7792, 36.2242,
7.7332

■ 23.2038, 37.8838,
12.6752

■ 18.7368, 35.7127,
6.5131

■ 25.6657, 39.0688,
16.5919

■ 18.0613, 35.3778,
5.8825

■ 28.6731, 40.5119,
21.5808

■ 18.0554, 35.3748,
5.8764

■ 32.2566, 42.2272,
27.7127

■ 36.4444, 44.2280,
35.0523

■ 41.2629, 46.5265,
43.6596

■ 46.7369, 49.1343,
53.5903

■ 52.8899, 52.0624,
64.8970

■ 59.7440, 55.3211,
77.6296

Harmonies

Analogous

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



29.3350, 36.9398, 4.4868



21.2532, 36.9398, 9.7513



17.3946, 36.9398, 26.1746

Triad

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



21.2532, 36.9398, 9.7513



29.7835, 36.9398, 141.7555



61.8068, 36.9398, 25.1074

Complementary

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



21.2532, 36.9398, 9.7513



26.0051, 14.4819, 47.8810

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.



62.0035, 36.9398, 58.5636



21.2532, 36.9398, 9.7513



41.5976, 36.9398, 140.8632

Square

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



21.2532, 36.9398, 9.7513



21.5178, 36.9398, 106.9022



53.9682, 36.9398, 104.8911



53.4792, 36.9398, 9.3469

Rectangle

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



21.2532, 36.9398, 9.7513



17.0236, 36.9398, 46.9742



53.9682, 36.9398, 104.8911



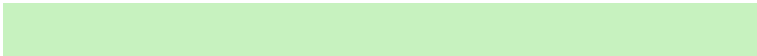
62.8794, 36.9398, 34.1485

Sweetspot

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



21.2541, 36.9414, 9.7521



64.8791, 79.6013, 61.4534



34.3003, 37.3968, 9.1524



13.8092, 17.3011, 12.6911



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.



21.2541, 36.9414, 9.7521



34.7190, 65.1024, 12.6348



21.4591, 36.8675, 17.8742



9.0156, 10.1247, 9.5860



12.1880, 23.8195, 3.9552



0.4704, 0.8607, 0.1413

Inverse Universe

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



26.0051, 14.4819, 47.8810



43.6318, 21.7026, 86.0908



26.5979, 15.2415, 27.3959



9.2416, 9.0909, 11.3471



15.4197, 7.2603, 31.8417



0.5806, 0.2750, 1.1242

Previews

White Background



This preview shows how the XYZ color 21.2532, 36.9398, 9.7513 looks on a white background.

Color Contrast Check

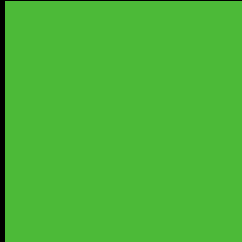
Large Text (above 18pt) WCAG AA × Fail

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 21.2532, 36.9398, 9.7513 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 21.2532, 36.9398, 9.7513

Background



This preview shows how black text looks on a background with the XYZ color 21.2532, 36.9398, 9.7513.



This preview shows how white text looks on a background with the XYZ color 21.2532, 36.9398,

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

21.2532, 36.9398, 9.7513

Protanopia

32.9643, 36.3698, 8.3003

Deuteranopia

36.9258, 36.0730, 10.3268



Tritanopia

29.9221, 36.8460, 53.1119

Trichromacy



Original Color

21.2532, 36.9398, 9.7513



Protanomaly

26.5104, 35.2134, 8.6484



Deuteranomaly

28.2437, 34.6992, 9.9116



Tritanomaly

25.2701, 36.1139, 30.4498

Monochromacy



Original Color

21.2532, 36.9398, 9.7513



Achromatopsia

24.1572, 25.4152, 27.6772



Achromatomaly

21.4983, 28.1702, 18.4917

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2532, 36.9398, 9.7513 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(76, 186, 56)` looks like.

```
.text, #text, p{  
    color:rgb(76, 186, 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(76, 186, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 186, 56) }
```

Border

The CSS property to change the border of an element to XYZ 21.2532, 36.9398, 9.7513 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(76, 186, 56) }
```


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

```
.border{ border-color:rgb(76, 186, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 186, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 186, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 186, 56);  
box-shadow:4px 4px 4px 4px rgb(76, 186,  
56) }
```

Background

The CSS property to change the background color of an element to XYZ 21.2532, 36.9398, 9.7513 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 186, 56) }
```

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

```
.background{ background-color: rgb(76, 186,  
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](#).

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