

Converting Colors

XYZ(21.3838, 12.8929, 6.5018)

Have a look what the booklet for
XYZ(21.3838, 12.8929, 6.5018)
contains.

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Color

**XYZ(21.3586, 12.8554,
6.5099)**

Conversions

Conversions Part 1

Format	Color
Hex	B53642
RGB	181, 54, 66
RGB Percent	71%, 21%, 26%
CMY	0.2902, 0.7882, 0.7412
CMYK	0.00, 0.70, 0.64, 0.29
HSL	354°, 54%, 46%
HSV	354°, 70%, 71%
XYZ	21.3586, 12.8554, 6.5099
YIQ	93.3410, 71.8400, 30.6560

Conversions

Conversions Part 2

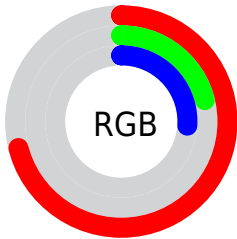
Format	Color
R_{YB}	181, 54, 66
Decimal	11875906
CIE Lab	42.54, 51.63, 22.73
CIE LCh	43, 56.418, 23.763
Yxy	12.8554, 0.5245, 0.3157
Android (android.graphics.Color)	4290065986 (0xFFB53642)
YUV	93.3410, -13.4791, 76.8769
Hunter-Lab	35.8544, 43.5878, 14.3331

Details

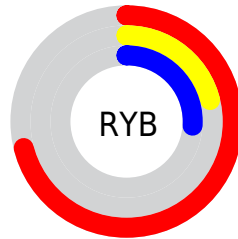
The XYZ color **21.3586, 12.8554, 6.5099** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **25.2076, 36.6969, 43.2942**, and the grayscale version is **10.5037, 11.0507, 12.0342**.

A 20% lighter version of the original color is **45.1239, 31.0294, 19.5306**, and **8.0500, 4.1309, 1.2372** is the 20% darker color. If you saturate the color by 10%, you get **20.2514, 11.3068, 4.0888**, and if you desaturate by 10%, it is **22.9183, 15.0876, 9.7652**.

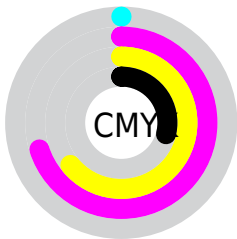
Distribution



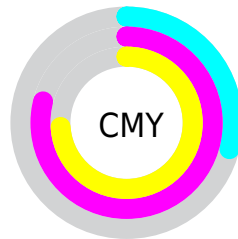
- Red (71%)
- Green (21%)
- Blue (26%)



- Red (71%)
- Yellow (21%)
- Blue (26%)



- Cyan (0%)
- Magenta (70%)
- Yellow (64%)
- Black (29%)





- Cyan (29%)
- Magenta (79%)
- Yellow (74%)
- Black (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.3586, 12.8554, 6.5099 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 21.3586, 12.8554, 6.5099 by changing the saturation by 10% instead.


 21.3586, 12.8554,
6.5099


 21.3586, 12.8554,
6.5099


251.8740,
209.9889, 173.0003


 13.5003, 7.3290,
3.0838


 45.1704, 31.0438,
19.4760


 7.8533, 3.6687,
1.1376


 61.8546, 44.4746,
29.8531

 4.0523, 1.4900,
0.0000

 82.2115, 61.3090,
43.3843

 1.7317, 0.2817,
0.0000

 106.6065, 81.9314,
60.4881

 0.4760, 0.0000,
0.0000

 135.4049,
106.7262, 81.5831

 0.0000, 0.0000,
0.0000

 168.9720,

136.0777, 107.0877

207.6732,
170.3705, 137.4206

■ 21.3586, 12.8554,
6.5099

■ 21.3586, 12.8554,
6.5099

■ 20.2514, 11.3068,
4.0888

■ 22.9183, 15.0876,
9.7652

■ 19.5468, 10.3612,
2.4247

■ 24.9714, 18.0678,
13.9211

■ 19.1579, 9.8645,
1.4284

■ 27.5555, 21.8557,
19.0380

■ 30.7041, 26.5039,
25.1709

■ 34.4480, 32.0611,
32.3707

■ 38.8156, 38.5718,
40.6846

■ 43.8338, 46.0780,
50.1574

■ 49.5277, 54.6191,
60.8311

■ 55.9210, 64.2322,
72.7458

Harmonies

Analogous

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



22.3102, 12.8554, 16.7052



21.3586, 12.8554, 6.5099



17.7316, 12.8554, 2.3184

Triad

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



21.3586, 12.8554, 6.5099



6.7289, 12.8554, 4.2023



11.3498, 12.8554, 52.6938

Complementary

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



21.3586, 12.8554, 6.5099



25.2076, 36.6969, 43.2942

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.



7.9862, 12.8554, 42.7454



21.3586, 12.8554, 6.5099



5.7484, 12.8554, 11.5991

Square

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



21.3586, 12.8554, 6.5099



9.2049, 12.8554, 1.6312



6.1482, 12.8554, 25.7450



15.8274, 12.8554, 48.3404

Rectangle

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



21.3586, 12.8554, 6.5099



14.6564, 12.8554, 1.3925



6.1482, 12.8554, 25.7450



10.0674, 12.8554, 50.7880

Sweetspot

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



21.3589, 12.8561, 6.5101



60.8407, 56.1491, 56.3387



25.8725, 14.3331, 45.1188



12.7415, 11.5290, 11.3936



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



21.3589, 12.8561, 6.5101



35.5248, 19.2379, 5.6011



24.7537, 20.1535, 6.0764



8.5279, 8.5179, 9.0123



13.2192, 6.8052, 1.0484



0.4265, 0.2184, 0.0888

Inverse Universe

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



21.3589, 12.8561, 6.5101



35.5248, 19.2379, 5.6011



17.8719, 20.1400, 46.6614



8.5279, 8.5179, 9.0123



13.2192, 6.8052, 1.0484



0.4265, 0.2184, 0.0888

Previews

White Background



This preview shows how the XYZ color 21.3586, 12.8554, 6.5099 looks on a white 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 × Fail

Black Background



This preview shows how the XYZ color 21.3586, 12.8554, 6.5099 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.3586, 12.8554, 6.5099

Background



This preview shows how black text looks on a background with the XYZ color 21.3586, 12.8554, 6.5099.



This preview shows how white text looks on a background with the XYZ color 21.3586, 12.8554,

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

21.3586, 12.8554, 6.5099

Protanopia

12.3968, 13.1050, 10.6802

Deuteranopia

13.2325, 13.0761, 5.9642



Tritanopia

21.1860, 12.8616, 5.3689

Trichromacy



Original Color

21.3586, 12.8554, 6.5099

Protanomaly

14.4131, 11.9735, 8.9486

Deuteranomaly

15.3135, 12.1620, 6.0978

Tritanomaly

21.2645, 12.8931, 5.7827

Monochromacy



Original Color

21.3586, 12.8554, 6.5099

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

12.8148, 10.5765, 9.5497

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.3586, 12.8554, 6.5099 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(181, 54, 66)` looks like.

```
.text, #text, p{  
    color:rgb(181, 54, 66)  
}
```

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(181, 54, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 54, 66) }
```

Border

The CSS property to change the border of an element to XYZ 21.3586, 12.8554, 6.5099 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(181, 54, 66) }
```


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

```
.border{ border-color:rgb(181, 54, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 54, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 54, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 54, 66);  
box-shadow:4px 4px 4px 4px rgb(181, 54,  
66) }
```

Background

The CSS property to change the background color of an element to XYZ 21.3586, 12.8554, 6.5099 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 54, 66) }
```

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

```
.background{ background-color: rgb(181, 54,  
66) }
```

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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