

Converting Colors

XYZ(33.5437, 20.1457, 51.4108)

Have a look what the booklet for
XYZ(33.5437, 20.1457, 51.4108)
contains.

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Color

**XYZ(33.5437, 20.1457,
51.4108)**

Conversions

Conversions Part 1

Format	Color
Hex	BF4DBF
RGB	191, 77, 191
RGB Percent	75%, 30%, 75%
CMY	0.2510, 0.6980, 0.2510
CMYK	0.00, 0.60, 0.00, 0.25
HSL	300°, 47%, 53%
HSV	300°, 60%, 75%
XYZ	33.5437, 20.1457, 51.4108
YIQ	124.0820, 31.3500, 59.6220

Conversions

Conversions Part 2

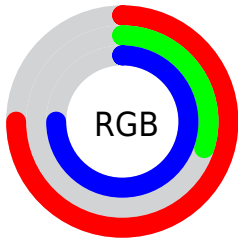
Format	Color
R_{YB}	191, 77, 191
Decimal	12537279
CIE _{Lab}	52.00, 60.23, -38.49
CIE _{LCh}	52, 71.481, 327.417
Yxy	20.1457, 0.3192, 0.1917
Android (android.graphics.Color)	4290727359 (0xFFBF4DBF)
YUV	124.0820, 32.9906, 58.6871
Hunter-Lab	44.8840, 54.8537, -36.4929

Details

The XYZ color **33.5437, 20.1457, 51.4108** is a dark color, and the websafe version is hex **CC66CC**. A complement of this color would be **23.0318, 39.3760, 13.4087**, and the grayscale version is **19.0726, 20.0658, 21.8517**.

A 20% lighter version of the original color is **64.6189, 43.6038, 93.8175**, and **14.4337, 7.0481, 24.2666** is the 20% darker color. If you saturate the color by 10%, you get **32.3985, 17.8547, 51.0292**, and if you desaturate by 10%, it is **35.0827, 23.2231, 51.9240**.

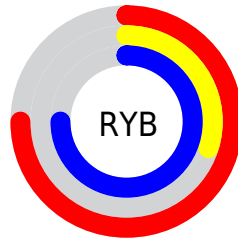
Distribution



Red (75%)

Green (30%)

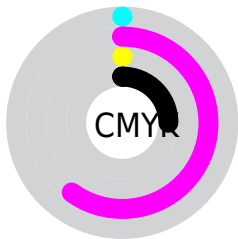
Blue (75%)



Red (75%)

Yellow (30%)

Blue (75%)

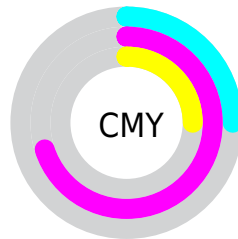


Cyan (0%)

Magenta (60%)

Yellow (0%)

Black (25%)



Cyan (25%)

Magenta (70%)

Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.5437, 20.1457, 51.4108 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 33.5437, 20.1457, 51.4108 by changing the saturation by 10% instead.

33.5437, 20.1457,
51.4108

33.5437, 20.1457,
51.4108

309.7145,
252.7028, 409.0498

22.7045, 12.5010,
36.1566

64.5725, 43.6613,
93.6794

14.4950, 7.0858,
24.2646

85.4928, 60.3010,
121.5310

8.5497, 3.5158,
15.3160

110.5041, 80.7079,
154.4188

4.5034, 1.4066,
8.8924

139.9719,
105.2662, 192.7613

1.9907, 0.2216,
4.5752

174.2615,
134.3605, 236.9771

0.6287, 0.0000,
1.9459

213.7382,

0.0000, 0.0000,

168.3751, 287.4848

0.5217

258.7674,
207.6944, 344.7028

■ 0.0000, 0.0000,
0.0000

■ 33.5437, 20.1457,
51.4108

■ 33.5437, 20.1457,
51.4108

■ 32.3985, 17.8547,
51.0292

■ 35.0827, 23.2231,
51.9240

■ 31.6093, 16.2764,
50.7660

■ 37.0444, 27.1465,
52.5780

■ 31.1351, 15.3281,
50.6079

■ 39.4576, 31.9729,
53.3825

■ 30.8967, 14.8512,
50.5284

■ 42.3480, 37.7536,
54.3460

■ 30.8901, 14.8381,
50.5262

■ 45.7392, 44.5361,
55.4765

■ 49.6535, 52.3646,
56.7813

■ 54.1116, 61.2808,
58.2674

■ 59.1332, 71.3240,
59.9413

■ 64.7370, 82.5316,
61.8093

Harmonies

Analogous

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



26.3500, 20.1457, 80.3005



33.5437, 20.1457, 51.4108



36.8288, 20.1457, 23.7934

Triad

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



33.5437, 20.1457, 51.4108



19.7862, 20.1457, 1.3106



9.2103, 20.1457, 46.0809

Complementary

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



33.5437, 20.1457, 51.4108



23.0318, 39.3760, 13.4087

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.



8.2858, 20.1457, 20.1764



33.5437, 20.1457, 51.4108



13.3945, 20.1457, 2.1184

Square

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



33.5437, 20.1457, 51.4108



27.7261, 20.1457, 2.5223



9.6033, 20.1457, 6.6469



12.5512, 20.1457, 76.0820

Rectangle

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



33.5437, 20.1457, 51.4108



35.8660, 20.1457, 11.9844



9.6033, 20.1457, 6.6469



8.6503, 20.1457, 36.2692

Sweetspot

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



33.5444, 20.1466, 51.4112



76.6390, 69.2051, 97.5975



15.1193, 10.6481, 50.5494



16.4660, 14.4704, 21.3105



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.



33.5444, 20.1466, 51.4112



57.4678, 30.8629, 91.2065



28.4437, 18.1063, 24.5511



9.9300, 9.6963, 12.0204



20.3003, 9.7513, 33.2047



0.7952, 0.3820, 1.3007

Inverse Universe

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



33.5444, 20.1466, 51.4112



57.4678, 30.8629, 91.2065



25.9954, 40.5615, 29.0145



9.9300, 9.6963, 12.0204



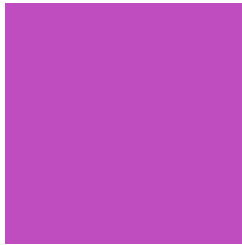
20.3003, 9.7513, 33.2047



0.7952, 0.3820, 1.3007

Previews

White Background



This preview shows how the XYZ color 33.5437, 20.1457, 51.4108 looks on a white background.

Color Contrast Check

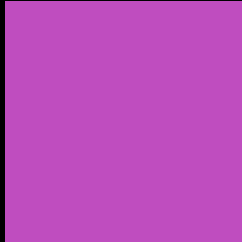
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 33.5437, 20.1457, 51.4108 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

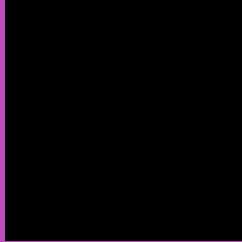
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.5437, 20.1457, 51.4108

Background



This preview shows how black text looks on a background with the XYZ color 33.5437, 20.1457, 51.4108.



This preview shows how white text looks on a background with the XYZ color 33.5437, 20.1457,

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

33.5437, 20.1457, 51.4108

Protanopia

23.6451, 20.6732, 78.3454

Deuteranopia

20.9005, 20.4868, 47.6525



Tritanopia

26.3200, 20.0208, 16.6645

Trichromacy



Original Color

33.5437, 20.1457, 51.4108



Protanomaly

24.2563, 18.5717, 67.2720



Deuteranomaly

23.6363, 18.9661, 48.8694



Tritanomaly

28.4222, 19.8036, 26.3692

Monochromacy



Original Color

33.5437, 20.1457, 51.4108



Achromatopsia

19.1579, 20.1556, 21.9495



Achromatomaly

22.8157, 18.9494, 30.4721

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5437, 20.1457, 51.4108 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(191, 77, 191)` looks like.

```
.text, #text, p{  
    color:rgb(191, 77, 191)  
}
```

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(191, 77, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 77, 191) }
```

Border

The CSS property to change the border of an element to XYZ 33.5437, 20.1457, 51.4108 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(191, 77, 191) }
```


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

```
.border{ border-color:rgb(191, 77, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 77, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(191, 77, 191); -webkit-box-shadow:4px 4px 4px 4px rgb(191, 77, 191); box-shadow:4px 4px 4px 4px rgb(191, 77, 191) }
```

Background

The CSS property to change the background color of an element to XYZ 33.5437, 20.1457, 51.4108 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 77, 191) }
```

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

```
.background{ background-color: rgb(191, 77,  
191) }
```

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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