

Converting Colors

XYZ(37.0477, 20.2702, 86.2878)

Have a look what the booklet for
XYZ(37.0477, 20.2702, 86.2878)
contains.

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Color

**XYZ(36.9165, 20.2483,
85.9670)**

Conversions

Conversions Part 1

Format	Color
Hex	B444F2
RGB	180, 68, 242
RGB Percent	71%, 27%, 95%
CMY	0.2941, 0.7333, 0.0510
CMYK	0.26, 0.72, 0.00, 0.05
HSL	279°, 87%, 61%
HSV	279°, 72%, 95%
XYZ	36.9165, 20.2483, 85.9670
YIQ	121.3240, 10.8980, 77.8580

Conversions

Conversions Part 2

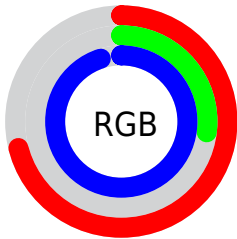
Format	Color
R_{YB}	180, 68, 242
Decimal	11814130
CIE _{Lab}	52.12, 71.20, -67.41
CIE _{LCh}	52, 98.048, 316.568
Yxy	20.2483, 0.2579, 0.1415
Android (android.graphics.Color)	4290004210 (0xFFB444F2)
YUV	121.3240, 59.4933, 51.4589
Hunter-Lab	44.9981, 67.6949, -81.7724

Details

The XYZ color **36.9165, 20.2483, 85.9670** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed purple. A complement of this color would be **42.0017, 68.6678, 16.5098**, and the grayscale version is **18.0907, 19.0328, 20.7267**.

A 20% lighter version of the original color is **61.3188, 40.4125, 99.1763**, and **16.6421, 7.5677, 46.4825** is the 20% darker color. If you saturate the color by 10%, you get **33.7980, 16.8982, 85.4851**, and if you desaturate by 10%, it is **40.7654, 24.8713, 86.6569**.

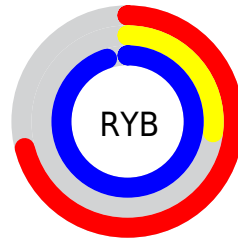
Distribution



Red (71%)

Green (27%)

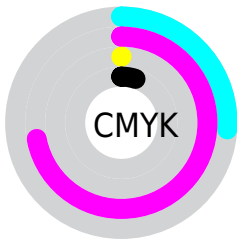
Blue (95%)



Red (71%)

Yellow (27%)

Blue (95%)

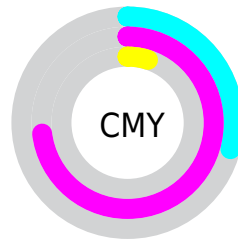


Cyan (26%)

Magenta (72%)

Yellow (0%)

Black (5%)



Cyan (29%)


Magenta (73%)


Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.9165, 20.2483, 85.9670 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 36.9165, 20.2483, 85.9670 by changing the saturation by 10% instead.

 36.9165, 20.2483,
85.9670


 36.9165, 20.2483,
85.9670


324.3107,
253.2562, 535.0502


 25.3162, 12.5757,
64.0859


 69.7590, 43.8331,
143.6096

 16.4428, 7.1370,
46.2737


 91.7320, 60.5140,
180.2082


 9.9309, 3.5479,
32.1116


 117.8932, 80.9665,
222.5497

 5.4151, 1.4240,
21.1812

 148.6080,
105.5750, 271.0527

 2.5300, 0.2343,
13.0640

 184.2418,
134.7238, 326.1357

 0.9104, 0.0000,
7.3414

225.1600,

 0.0000, 0.0000,

168.7973, 388.2173

3.5948

271.7278,
208.1800, 457.7159

■ 0.0000, 0.0000,
1.4058

■ 0.0000, 0.0000,
0.1462

■ 36.9165, 20.2483,
85.9670

■ 36.9165, 20.2483,
85.9670

■ 33.7980, 16.8982,
85.4851

■ 40.7654, 24.8713,
86.6569

■ 31.3249, 14.6582,
85.1831

■ 45.4101, 30.8986,
87.5754

■ 29.6935, 13.4561,
85.0371

■ 50.9114, 38.4471,
88.7425

■ 57.3227, 47.6206,
90.1753

64.6927, 58.5138,
91.8894

73.0667, 71.2138,
93.8994

82.4864, 85.8016,
96.2186

90.8487, 98.0678,
98.1455

93.0271, 99.1908,
98.2475

Harmonies

Analogous

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



25.2833, 20.2483, 128.6199



36.9165, 20.2483, 85.9670



44.7492, 20.2483, 37.5225

Triad

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



36.9165, 20.2483, 85.9670



24.0807, 20.2483, 0.0000



6.0493, 20.2483, 41.8378

Complementary

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



36.9165, 20.2483, 85.9670



42.0017, 68.6678, 16.5098

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.



5.9239, 20.2483, 11.5467



36.9165, 20.2483, 85.9670



14.2545, 20.2483, 0.0000

Square

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



36.9165, 20.2483, 85.9670



35.7769, 20.2483, 1.3458



8.3650, 20.2483, 1.7049



8.8004, 20.2483, 91.3685

Rectangle

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



36.9165, 20.2483, 85.9670



45.4565, 20.2483, 16.3153



8.3650, 20.2483, 1.7049



5.7430, 20.2483, 28.9848

Sweetspot

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



36.9174, 20.2491, 85.9675



72.7150, 65.6849, 103.4537



26.6356, 24.0887, 87.2505



15.0584, 13.3048, 22.0244



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



36.9174, 20.2491, 85.9675



36.7716, 17.7944, 96.1043



51.4454, 28.1159, 69.5958



15.8761, 15.7334, 19.9217



16.1057, 7.3082, 45.6896



1.4477, 0.6636, 3.8060

Inverse Universe

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



42.7147, 24.6236, 23.6207



44.8900, 23.7149, 18.0831



36.0334, 65.4924, 20.6855



16.0055, 15.8519, 17.5849



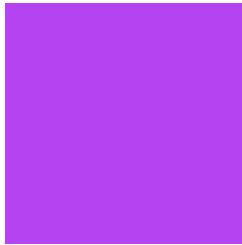
20.6378, 10.5275, 6.0092



1.7627, 0.8941, 0.7410

Previews

White Background



This preview shows how the XYZ color 36.9165, 20.2483, 85.9670 looks on a white background.

Color Contrast Check

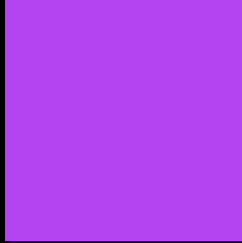
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.9165, 20.2483, 85.9670 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

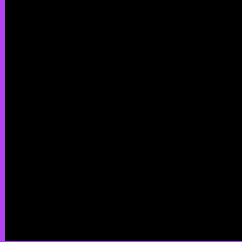
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 36.9165, 20.2483, 85.9670

Background



This preview shows how black text looks on a background with the XYZ color 36.9165, 20.2483, 85.9670.



This preview shows how white text looks on a background with the XYZ color 36.9165, 20.2483,

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

36.9165, 20.2483, 85.9670

Protanopia

24.6059, 20.5887, 96.4431

Deuteranopia

20.9087, 20.5065, 72.6682



Tritanopia

23.5114, 20.1744, 20.1076

Trichromacy



Original Color

36.9165, 20.2483, 85.9670



Protanomaly

24.0890, 17.3333, 92.5185



Deuteranomaly

21.6169, 17.1451, 77.0329



Tritanomaly

26.7294, 19.0802, 37.3960

Monochromacy



Original Color

36.9165, 20.2483, 85.9670



Achromatopsia

18.1737, 19.1202, 20.8219



Achromatomaly

22.6982, 17.9701, 37.8696

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.9165, 20.2483, 85.9670 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(180, 68, 242)` looks like.

```
.text, #text, p{  
    color:rgb(180, 68, 242)  
}
```

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(180, 68, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 68, 242) }
```

Border

The CSS property to change the border of an element to XYZ 36.9165, 20.2483, 85.9670 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(180, 68, 242) }
```


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

```
.border{ border-color:rgb(180, 68, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 68, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 68, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 68, 242);  
box-shadow:4px 4px 4px 4px rgb(180, 68,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 36.9165, 20.2483, 85.9670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 68, 242) }
```

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

```
.background{ background-color: rgb(180, 68,  
242) }
```

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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