

Converting Colors

XYZ(20.0051, 13.4307, 36.9402)

Have a look what the booklet for
XYZ(20.0051, 13.4307, 36.9402)
contains.

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Color

**XYZ(20.0929, 13.5133,
37.1466)**

Conversions

Conversions Part 1

Format	Color
Hex	8B4DA5
RGB	139, 77, 165
RGB Percent	55%, 30%, 65%
CMY	0.4549, 0.6980, 0.3529
CMYK	0.16, 0.53, 0.00, 0.35
HSL	282°, 36%, 47%
HSV	282°, 53%, 65%
XYZ	20.0929, 13.5133, 37.1466
YIQ	105.5700, 8.7040, 40.5120

Conversions

Conversions Part 2

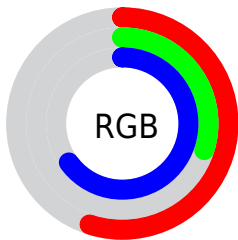
Format	Color
R_{YB}	139, 77, 165
Decimal	9129381
CIE _{Lab}	43.53, 41.27, -37.12
CIE _{LCh}	44, 55.509, 318.036
Yxy	13.5133, 0.2840, 0.1910
Android (android.graphics.Color)	4287319461 (0xFF8B4DA5)
YUV	105.5700, 29.2990, 29.3181
Hunter-Lab	36.7604, 33.2356, -34.1805

Details

The XYZ color **20.0929, 13.5133, 37.1466** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **20.3884, 30.3299, 11.8013**, and the grayscale version is **13.5036, 14.2068, 15.4712**.

A 20% lighter version of the original color is **42.8856, 32.0750, 71.6409**, and **7.2103, 3.9546, 16.0061** is the 20% darker color. If you saturate the color by 10%, you get **18.2857, 11.0800, 36.7724**, and if you desaturate by 10%, it is **22.2303, 16.5520, 37.6207**.

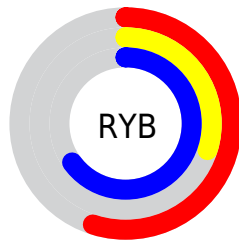
Distribution



Red (55%)

Green (30%)

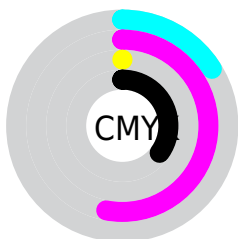
Blue (65%)



Red (55%)

Yellow (30%)

Blue (65%)

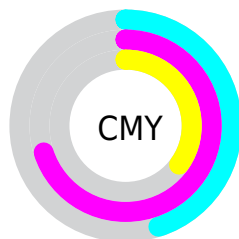


Cyan (16%)

Magenta (53%)

Yellow (0%)

Black (35%)



Cyan (45%)

Magenta (70%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.0929, 13.5133, 37.1466 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 20.0929, 13.5133, 37.1466 by changing the saturation by 10% instead.

■ 20.0929, 13.5133,
37.1466

■ 20.0929, 13.5133,
37.1466

245.2416,
214.1817, 349.1326

■ 12.5712, 7.7829,
25.0243

■ 43.0756, 32.2229,
71.9870

■ 7.2089, 3.9564,
15.8760

■ 59.2674, 45.9710,
95.5423

■ 3.6406, 1.6492,
9.2830

■ 79.0800, 63.1604,
123.7457

■ 1.5009, 0.3904,
4.8269

■ 102.8787, 84.1756,
157.0156

■ 0.3264, 0.0000,
2.0891

■ 131.0288,
109.4009, 195.7708

■ 0.0000, 0.0000,
0.6093

163.8958,

■ 0.0000, 0.0000,

139.2207, 240.4296

0.0000

201.8449,
174.0195, 291.4107

■ 20.0929, 13.5133,
37.1466

■ 20.0929, 13.5133,
37.1466

■ 18.2857, 11.0800,
36.7724

■ 22.2303, 16.5520,
37.6207

■ 16.7840, 9.2051,
36.4896

■ 24.7169, 20.2352,
38.2006

■ 15.5620, 7.8370,
36.2900

■ 27.5723, 24.6006,
38.8927

■ 14.5882, 6.9136,
36.1631

■ 30.8138, 29.6824,
39.7027

■ 14.0276, 6.4469,
36.1026

■ 34.4577, 35.5124,
40.6360

■ 38.5193, 42.1207,
41.6974

■ 43.0132, 49.5356,
42.8918

■ 47.9529, 57.7839,
44.2235

■ 53.3517, 66.8913,
45.6969

Harmonies

Analogous

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



15.6016, 13.5133, 51.0903



20.0929, 13.5133, 37.1466



22.8466, 13.5133, 20.2384

Triad

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



20.0929, 13.5133, 37.1466



14.6507, 13.5133, 1.5364



6.4363, 13.5133, 23.4121

Complementary

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



20.0929, 13.5133, 37.1466



20.3884, 30.3299, 11.8013

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.



6.2932, 13.5133, 10.2987



20.0929, 13.5133, 37.1466



10.4321, 13.5133, 1.6861

Square

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



20.0929, 13.5133, 37.1466



19.2633, 13.5133, 3.1440



7.5892, 13.5133, 3.8273



8.0374, 13.5133, 40.5613

Rectangle

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



20.0929, 13.5133, 37.1466



22.9926, 13.5133, 11.6223



7.5892, 13.5133, 3.8273



6.2317, 13.5133, 18.3097

Sweetspot

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



20.0934, 13.5139, 37.1469



53.3922, 50.3266, 70.6523



14.7426, 14.0751, 37.5373



11.4239, 10.6116, 15.3837



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



20.0934, 13.5139, 37.1469



32.2133, 19.1528, 65.7514



23.4692, 15.4267, 29.5096



7.1596, 7.0966, 8.8955



10.6637, 4.9038, 27.3143



0.2678, 0.1256, 0.5760

Inverse Universe

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



20.6194, 14.2868, 14.5030



33.6988, 20.9485, 19.2868



18.5635, 29.3073, 15.4103



7.1559, 7.1188, 7.8072



12.1738, 6.2256, 2.8400



0.2756, 0.1387, 0.1637

Previews

White Background



This preview shows how the XYZ color 20.0929, 13.5133, 37.1466 looks on a white background.

Color Contrast Check

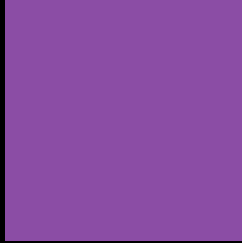
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.0929, 13.5133, 37.1466 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

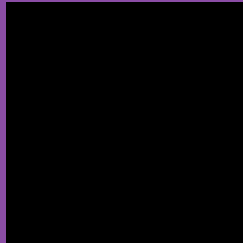
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

XYZ 20.0929, 13.5133, 37.1466

Background



This preview shows how black text looks on a background with the XYZ color 20.0929, 13.5133, 37.1466.



This preview shows how white text looks on a background with the XYZ color 20.0929, 13.5133,

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

20.0929, 13.5133, 37.1466

Protanopia

15.4513, 13.6943, 48.8426

Deuteranopia

14.0195, 13.6944, 35.1621



Tritanopia

15.3166, 13.4354, 14.0979

Trichromacy



Original Color

20.0929, 13.5133, 37.1466

Protanomaly

16.0837, 13.0328, 44.3157

Deuteranomaly

15.5613, 13.2107, 35.9122

Tritanomaly

16.7192, 13.2582, 20.7467

Monochromacy



Original Color

20.0929, 13.5133, 37.1466

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

15.3942, 13.5683, 21.8863

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0929, 13.5133, 37.1466 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(139, 77, 165)` looks like.

```
.text, #text, p{  
    color:rgb(139, 77, 165)  
}
```

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(139, 77, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 77, 165) }
```

Border

The CSS property to change the border of an element to XYZ 20.0929, 13.5133, 37.1466 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(139, 77, 165) }
```


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

```
.border{ border-color:rgb(139, 77, 165) }
```

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

Here you see how a box with a 4 pixel rgb(139, 77, 165) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 77, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 77, 165);  
box-shadow:4px 4px 4px 4px rgb(139, 77,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 20.0929, 13.5133, 37.1466 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 77, 165) }
```

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

```
.background{ background-color: rgb(139, 77,  
165) }
```

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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