

Converting Colors

XYZ(21.5169, 11.0307, 30.5040)

Have a look what the booklet for
XYZ(21.5169, 11.0307, 30.5040)
contains.

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Color

**XYZ(21.5765, 11.0502,
30.7015)**

Conversions

Conversions Part 1

Format	Color
Hex	A51B98
RGB	165, 27, 152
RGB Percent	65%, 11%, 60%
CMY	0.3529, 0.8941, 0.4039
CMYK	0.00, 0.84, 0.08, 0.35
HSL	306°, 72%, 38%
HSV	306°, 84%, 65%
XYZ	21.5765, 11.0502, 30.7015
YIQ	82.5120, 42.1230, 68.1310

Conversions

Conversions Part 2

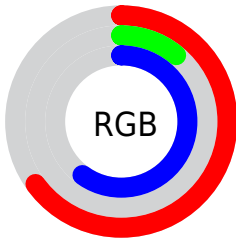
Format	Color
R_{YB}	165, 27, 152
Decimal	10820504
CIE _{Lab}	39.66, 65.08, -35.17
CIE _{LCh}	40, 73.975, 331.609
Y _{xy}	11.0502, 0.3407, 0.1745
Android (android.graphics.Color)	4289010584 (0xFFA51B98)
YUV	82.5120, 34.2576, 72.3420
Hunter-Lab	33.2418, 57.6869, -31.4898

Details

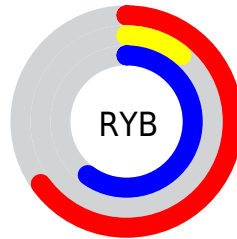
The XYZ color **21.5765, 11.0502, 30.7015** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **14.2907, 27.2970, 6.5240**, and the grayscale version is **8.0512, 8.4705, 9.2244**.

A 20% lighter version of the original color is **45.4350, 27.6751, 61.9786**, and **8.6069, 4.1713, 12.4081** is the 20% darker color. If you saturate the color by 10%, you get **21.1724, 10.4441, 29.9428**, and if you desaturate by 10%, it is **22.1955, 12.0827, 31.5402**.

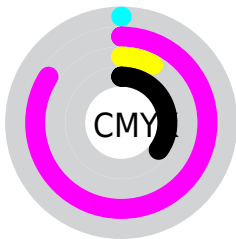
Distribution



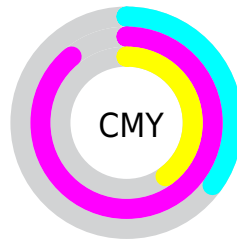
- Red (65%)
- Green (11%)
- Blue (60%)



- Red (65%)
- Yellow (11%)
- Blue (60%)



- Cyan (0%)
- Magenta (84%)
- Yellow (8%)
- Black (35%)




- Cyan (35%)
- Magenta (89%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.5765, 11.0502, 30.7015 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 21.5765, 11.0502, 30.7015 by changing the saturation by 10% instead.


 21.5765, 11.0502,
30.7015


 21.5765, 11.0502,
30.7015

253.0007,
198.0116, 319.4693


 13.6609, 6.1006,
20.1151


 45.5291, 27.7530,
61.8439


 7.9653, 2.9064,
12.2938

 62.2969, 40.2749,
83.2369


 4.1244, 1.0830,
6.8192


 82.7460, 56.0898,
109.0692

 1.7727, 0.0000,
3.2725

 107.2420, 75.5820,
139.7594

 0.5012, 0.0000,
1.2354

 136.1501, 99.1358,
175.7260

 0.0000, 0.0000,
0.0080

 169.8357,

 0.0000, 0.0000,

127.1358, 217.3874

0.0000

208.6641,
159.9663, 265.1624

■ 21.5765, 11.0502,
30.7015

■ 21.5765, 11.0502,
30.7015

■ 21.1724, 10.4441,
29.9428

■ 22.1955, 12.0827,
31.5402

■ 20.9785, 10.1839,
29.4849

■ 23.0592, 13.6024,
32.4687

■ 24.1941, 15.6617,
33.4959

■ 25.6228, 18.3060,
34.6294

■ 27.3657, 21.5759,
35.8759

■ 29.4413, 25.5084,
37.2417

■ 31.8666, 30.1376,
38.7325

■ 34.6574, 35.4953,
40.3536

■ 37.8288, 41.6112,
42.1100

Harmonies

Analogous

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



16.4615, 11.0502, 54.6833



21.5765, 11.0502, 30.7015



23.5138, 11.0502, 11.2675

Triad

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



21.5765, 11.0502, 30.7015



10.2325, 11.0502, 0.0000



4.2118, 11.0502, 33.2976

Complementary

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



21.5765, 11.0502, 30.7015



14.2907, 27.2970, 6.5240

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.



3.4775, 11.0502, 12.8299



21.5765, 11.0502, 30.7015



6.1898, 11.0502, 0.3766

Square

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



21.5765, 11.0502, 30.7015



15.8323, 11.0502, 0.2314



4.0652, 11.0502, 3.0589



6.5278, 11.0502, 56.8544

Rectangle

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



21.5765, 11.0502, 30.7015



22.3710, 11.0502, 4.4191



4.0652, 11.0502, 3.0589



3.8126, 11.0502, 25.4611

Sweetspot

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



21.5769, 11.0507, 30.7017



52.0016, 44.3050, 66.2332



8.0020, 3.9227, 35.9332



11.0919, 9.1610, 14.2998



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.



21.5769, 11.0507, 30.7017



37.5298, 18.2222, 52.5897



17.5295, 9.4318, 9.3884



7.3354, 7.1906, 8.7528



15.8802, 7.7081, 22.3575



0.3414, 0.1651, 0.5107

Inverse Universe

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



21.5769, 11.0507, 30.7017



37.5298, 18.2222, 52.5897



16.5880, 28.2159, 18.6214



7.3354, 7.1906, 8.7528



15.8802, 7.7081, 22.3575



0.3414, 0.1651, 0.5107

Previews

White Background



This preview shows how the XYZ color 21.5765, 11.0502, 30.7015 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 21.5765, 11.0502, 30.7015 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

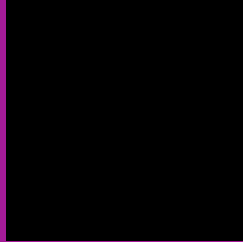
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.5765, 11.0502, 30.7015

Background



This preview shows how black text looks on a background with the XYZ color 21.5765, 11.0502, 30.7015.



This preview shows how white text looks on a background with the XYZ color 21.5765, 11.0502,

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

21.5765, 11.0502, 30.7015

Protanopia

13.4787, 11.3772, 52.5246

Deuteranopia

11.6331, 11.3663, 27.5674



Tritanopia

16.7814, 11.2522, 6.7563

Trichromacy



Original Color

21.5765, 11.0502, 30.7015



Protanomaly

12.0673, 8.3496, 43.6234



Deuteranomaly

13.3223, 9.5198, 28.3295



Tritanomaly

17.9332, 10.7421, 12.9326

Monochromacy



Original Color

21.5765, 11.0502, 30.7015



Achromatopsia

8.2219, 8.6500, 9.4199



Achromatomaly

11.2943, 8.1484, 15.1649

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.5765, 11.0502, 30.7015 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(165, 27, 152)` looks like.

```
.text, #text, p{  
    color:rgb(165, 27, 152)  
}
```

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(165, 27, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 27, 152) }
```

Border

The CSS property to change the border of an element to XYZ 21.5765, 11.0502, 30.7015 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(165, 27, 152) }
```


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

```
.border{ border-color:rgb(165, 27, 152) }
```

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

Here you see how a box with a 4 pixel rgb(165, 27, 152) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 27, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 27, 152);  
box-shadow:4px 4px 4px 4px rgb(165, 27,  
152) }
```

Background

The CSS property to change the background color of an element to XYZ 21.5765, 11.0502, 30.7015 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 27, 152) }
```

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

```
.background{ background-color: rgb(165, 27,  
152) }
```

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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