

Converting Colors

XYZ(35.6478, 21.4173, 78.6363)

Have a look what the booklet for
XYZ(35.6478, 21.4173, 78.6363)
contains.

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Color

**XYZ(35.6403, 21.3969,
78.5955)**

Conversions

Conversions Part 1

Format	Color
Hex	B054E8
RGB	176, 84, 232
RGB Percent	69%, 33%, 91%
CMY	0.3098, 0.6706, 0.0902
CMYK	0.24, 0.64, 0.00, 0.09
HSL	277°, 76%, 62%
HSV	277°, 64%, 91%
XYZ	35.6403, 21.3969, 78.5955
YIQ	128.3800, 7.3240, 65.5320

Conversions

Conversions Part 2

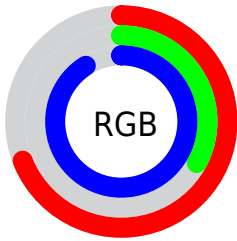
Format	Color
R _Y B	176, 84, 232
Decimal	11556072
CIE Lab	53.38, 61.50, -59.79
CIE LCh	53, 85.769, 315.809
Yxy	21.3969, 0.2628, 0.1578
Android (android.graphics.Color)	4289746152 (0xFFB054E8)
YUV	128.3800, 51.0847, 41.7627
Hunter-Lab	46.2568, 56.5828, -68.3607

Details

The XYZ color **35.6403, 21.3969, 78.5955** is a light color, and the websafe version is hex **CC66FF**. The color can be described as light muted purple. A complement of this color would be **41.2724, 63.9291, 18.5523**, and the grayscale version is **20.4768, 21.5432, 23.4605**.

A 20% lighter version of the original color is **61.5436, 43.3474, 99.7309**, and **15.6932, 7.7123, 41.2189** is the 20% darker color. If you saturate the color by 10%, you get **32.2077, 17.3827, 78.0020**, and if you desaturate by 10%, it is **39.7992, 26.6710, 79.3947**.

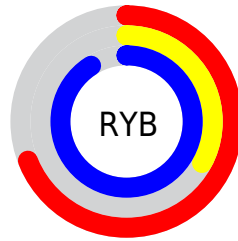
Distribution



Red (69%)

Green (33%)

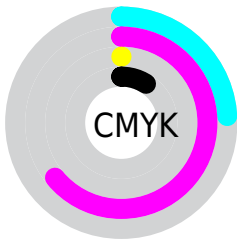
Blue (91%)



Red (69%)

Yellow (33%)

Blue (91%)

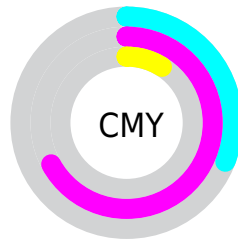


Cyan (24%)

Magenta (64%)

Yellow (0%)

Black (9%)



Cyan (31%)

Magenta (67%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.6403, 21.3969, 78.5955 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 35.6403, 21.3969, 78.5955 by changing the saturation by 10% instead.

35.6403, 21.3969,
78.5955

35.6403, 21.3969,
78.5955

318.8444,
259.3803, 509.7683

24.3253, 13.4144,
58.0439

67.8040, 45.7472,
133.1828

15.7012, 7.7145,
41.4290

89.3835, 62.8837,
168.0555

9.4024, 3.9128,
28.3323

115.1152, 83.8405,
208.5391

5.0638, 1.6249,
18.3351

145.3645,
109.0018, 255.0521

2.3199, 0.3743,
11.0189

180.4967,
138.7520, 308.0129

0.8048, 0.0000,
5.9652

220.8771,

0.0000, 0.0000,

173.4756, 367.8402

2.7555

266.8712,
213.5569, 434.9525

■ 0.0000, 0.0000,
0.9712

■ 0.0000, 0.0000,
0.0000

■ 35.6403, 21.3969,
78.5955

■ 35.6403, 21.3969,
78.5955

■ 32.2077, 17.3827,
78.0020

■ 39.7992, 26.6710,
79.3947

■ 29.4346, 14.5016,
77.5920


■ 44.7370, 33.3099,
80.4159


■ 27.2448, 12.6038,
77.3411


■ 50.5042, 41.4102,
81.6754

■ 26.1054, 11.7753,
77.2413


■ 57.1459, 51.0586,
83.1877

 64.7035, 62.3352,
84.9660

 73.2160, 75.3142,
87.0225

 82.7195, 90.0653,
89.3689

 88.4117, 96.9803,
90.4036

 91.5656, 98.6062,
90.5512

Harmonies

Analogous

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



25.4862, 21.3969, 112.4281



35.6403, 21.3969, 78.5955



42.4550, 21.3969, 37.8692

Triad

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



35.6403, 21.3969, 78.5955



24.9356, 21.3969, 0.6212



7.7196, 21.3969, 39.7900

Complementary

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



35.6403, 21.3969, 78.5955



41.2724, 63.9291, 18.5523

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.



7.6528, 21.3969, 13.0450



35.6403, 21.3969, 78.5955



15.9329, 21.3969, 0.6650

Square

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



35.6403, 21.3969, 78.5955



35.1350, 21.3969, 2.6727



10.1940, 21.3969, 2.9160



10.4160, 21.3969, 80.8673

Rectangle

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



35.6403, 21.3969, 78.5955



43.1845, 21.3969, 18.5849



10.1940, 21.3969, 2.9160



7.4236, 21.3969, 28.7464

Sweetspot

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



35.6412, 21.3977, 78.5960



75.0683, 69.5753, 104.0806



27.7078, 26.6829, 80.0343



15.5039, 14.0543, 22.1456



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.



35.6412, 21.3977, 78.5960



38.5836, 20.1005, 96.4539



48.6810, 28.3896, 67.0250



14.4391, 14.3286, 18.1490



14.6369, 6.6115, 42.8879



1.1840, 0.5414, 3.1741

Inverse Universe

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



41.1831, 25.3904, 27.5413



47.0157, 26.0439, 24.7185



34.8753, 60.5433, 22.2291



14.6015, 14.4578, 16.1017



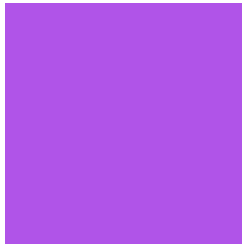
19.5044, 9.9360, 6.2852



1.4853, 0.7518, 0.6963

Previews

White Background



This preview shows how the XYZ color 35.6403, 21.3969, 78.5955 looks on a white background.

Color Contrast Check

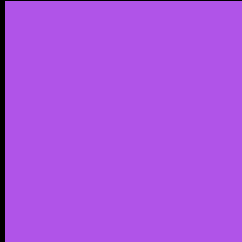
Large Text (above 18pt) WCAG AA ✓ Pass

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 35.6403, 21.3969, 78.5955 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

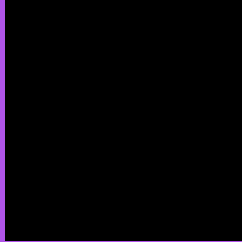
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 35.6403, 21.3969, 78.5955

Background



This preview shows how black text looks on a background with the XYZ color 35.6403, 21.3969, 78.5955.



This preview shows how white text looks on a background with the XYZ color 35.6403, 21.3969,

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

35.6403, 21.3969, 78.5955

Protanopia

25.9323, 21.7980, 97.4484

Deuteranopia

22.3885, 21.6566, 72.8122



Tritanopia

24.0476, 21.2406, 22.2344

Trichromacy



Original Color

35.6403, 21.3969, 78.5955



Protanomaly

26.2816, 19.7274, 90.4183



Deuteranomaly

24.3519, 19.7341, 74.4771



Tritanomaly

27.1682, 20.5803, 37.6624

Monochromacy



Original Color

35.6403, 21.3969, 78.5955



Achromatopsia

20.5175, 21.5861, 23.5072



Achromatomaly

24.3542, 20.3613, 38.7229

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.6403, 21.3969, 78.5955 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(176, 84, 232)` looks like.

```
.text, #text, p{  
    color:rgb(176, 84, 232)  
}
```

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(176, 84, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 84, 232) }
```

Border

The CSS property to change the border of an element to XYZ 35.6403, 21.3969, 78.5955 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(176, 84, 232) }
```


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

```
.border{ border-color:rgb(176, 84, 232) }
```

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

Here you see how a box with a 4 pixel rgb(176, 84, 232) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 84, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 84, 232);  
box-shadow:4px 4px 4px 4px rgb(176, 84,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 35.6403, 21.3969, 78.5955 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 84, 232) }
```

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

```
.background{ background-color: rgb(176, 84,  
232) }
```

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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