

Converting Colors

XYZ(41.7452, 33.7213, 76.3565)

Have a look what the booklet for
XYZ(41.7452, 33.7213, 76.3565)
contains.

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Color

**XYZ(41.7825, 33.6595,
76.2463)**

Conversions

Conversions Part 1

Format	Color
Hex	B48BE2
RGB	180, 139, 226
RGB Percent	71%, 55%, 89%
CMY	0.2941, 0.4549, 0.1137
CMYK	0.20, 0.38, 0.00, 0.11
HSL	268°, 60%, 72%
HSV	268°, 38%, 89%
XYZ	41.7825, 33.6595, 76.2463
YIQ	161.1770, -3.4910, 35.7490

Conversions

Conversions Part 2

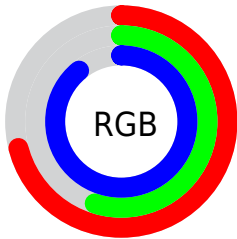
Format	Color
R_{YB}	180, 139, 226
Decimal	11832290
CIE _{Lab}	64.69, 32.37, -38.48
CIE _{LCh}	65, 50.285, 310.073
Yxy	33.6595, 0.2754, 0.2219
Android (android.graphics.Color)	4290022370 (0xFFB48BE2)
YUV	161.1770, 31.9577, 16.5078
Hunter-Lab	58.0168, 27.0226, -37.3078

Details

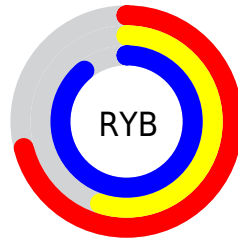
The XYZ color **41.7825, 33.6595, 76.2463** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **51.8650, 66.5718, 34.5435**, and the grayscale version is **33.8168, 35.5779, 38.7443**.

A 20% lighter version of the original color is **72.0450, 63.3645, 103.0411**, and **19.3496, 14.3173, 39.7739** is the 20% darker color. If you saturate the color by 10%, you get **36.1794, 26.4057, 75.1421**, and if you desaturate by 10%, it is **48.3042, 42.3924, 77.5887**.

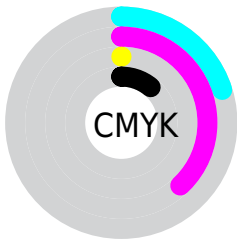
Distribution



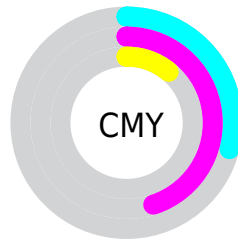
- Red (71%)
- Green (55%)
- Blue (89%)



- Red (71%)
- Yellow (55%)
- Blue (89%)



- Cyan (20%)
- Magenta (38%)
- Yellow (0%)
- Black (11%)





- Cyan (29%)
- Magenta (45%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.7825, 33.6595, 76.2463 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 41.7825, 33.6595, 76.2463 by changing the saturation by 10% instead.


 41.7825, 33.6595,
76.2463

 41.7825, 33.6595,
76.2463


344.5875,
318.6111, 501.5597


 29.1214, 22.6321,
56.1266


 77.1376, 65.4038,
129.8383

 19.3174, 14.3221,
39.8998

 100.5622, 86.8896,
164.1477

 12.0052, 8.3450,
27.1472

 128.3055,
112.6302, 204.0241

 6.8195, 4.3165,
17.4504

160.7326,
143.0102, 249.8860

 3.3948, 1.8521,
10.3908

198.2090,
178.4139, 302.1519

 1.3658, 0.5194,
5.5499

241.1001,

 0.2317, 0.0000,

219.2257, 361.2405

2.5090

289.7711,
265.8299, 427.5702

■ 0.0000, 0.0000,
0.8449

■ 0.0000, 0.0000,
0.0000

■ 41.7825, 33.6595,
76.2463

■ 41.7825, 33.6595,
76.2463

■ 36.1794, 26.4057,
75.1421

■ 48.3042, 42.3924,
77.5887

■ 31.4432, 20.5398,
74.2594

■ 55.7852, 52.6801,
79.1802

■ 27.5224, 15.9666,
73.5834

■ 64.2677, 64.5978,
81.0335

■ 24.3572, 12.5767,
73.0959

■ 73.7902, 78.2146,
83.1599

■ 21.8783, 10.2413,
72.7758

■ 84.3893, 93.5956,
85.5701

■ 19.9862, 8.7723,
72.5919

■ 89.5234, 97.6503,
86.0821

■ 19.7319, 8.5864,
72.5695

■ 90.7276, 98.2710,
86.1385

Harmonies

Analogous

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



34.4812, 33.6595, 91.3535



41.7825, 33.6595, 76.2463



46.8912, 33.6595, 51.9310

Triad

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



41.7825, 33.6595, 76.2463



36.9585, 33.6595, 10.5460



20.1826, 33.6595, 44.0488

Complementary

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



41.7825, 33.6595, 76.2463



51.8650, 66.5718, 34.5435

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.



20.6398, 33.6595, 24.7050



41.7825, 33.6595, 76.2463



29.6262, 33.6595, 9.7945

Square

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



41.7825, 33.6595, 76.2463



43.8288, 33.6595, 16.5573



23.8650, 33.6595, 13.8748



22.5054, 33.6595, 68.6473

Rectangle

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



41.7825, 33.6595, 76.2463



47.9714, 33.6595, 36.5989



23.8650, 33.6595, 13.8748



20.0257, 33.6595, 36.7001

Sweetspot

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



41.7837, 33.6609, 76.2471



80.3494, 79.0661, 105.6342



41.8088, 45.8467, 78.5978



16.8813, 16.4778, 22.5407



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.



41.7837, 33.6609, 76.2471



49.0827, 36.6458, 99.0941



53.4232, 39.6613, 76.7918



13.5632, 13.5584, 17.2899



11.3917, 4.9680, 41.4069



0.8924, 0.3973, 2.8749

Inverse Universe

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



49.3545, 38.1379, 50.6599



60.6781, 43.5080, 59.6720



42.9958, 61.9996, 34.1284



14.0085, 13.8210, 15.8152



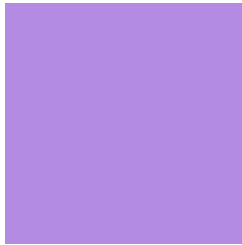
19.8703, 10.0151, 11.2488



1.4225, 0.7123, 1.0175

Previews

White Background



This preview shows how the XYZ color 41.7825, 33.6595, 76.2463 looks on a white background.

Color Contrast Check

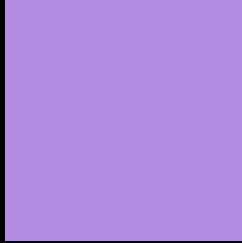
Large Text (above 18pt) WCAG AA × Fail

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 41.7825, 33.6595, 76.2463 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

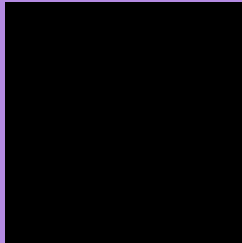
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.7825, 33.6595, 76.2463

Background



This preview shows how black text looks on a background with the XYZ color 41.7825, 33.6595, 76.2463.

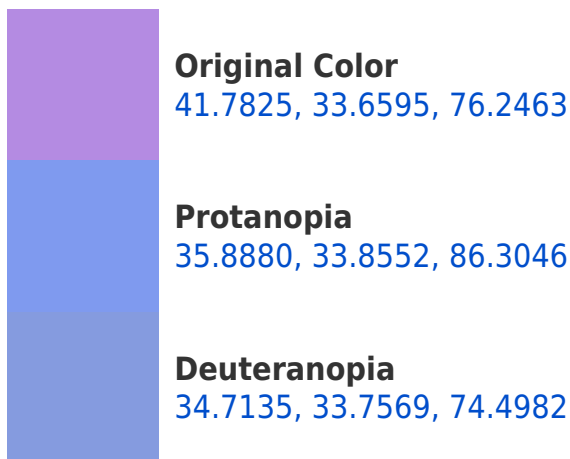


This preview shows how white text looks on a background with the XYZ color 41.7825, 33.6595,

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





Tritanopia

34.2913, 33.5718, 39.7946

Trichromacy



Original Color

41.7825, 33.6595, 76.2463

Protanomaly

37.4528, 33.5464, 82.3430

Deuteranomaly

36.7797, 33.3607, 75.0218

Tritanomaly

36.6369, 33.3395, 51.5179

Monochromacy



Original Color

41.7825, 33.6595, 76.2463

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

36.2966, 34.6101, 50.6663

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.7825, 33.6595, 76.2463 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, 139, 226)` looks like.

```
.text, #text, p{  
    color:rgb(180, 139, 226)  
}
```

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, 139, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 139, 226) }
```

Border

The CSS property to change the border of an element to XYZ 41.7825, 33.6595, 76.2463 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, 139, 226) }
```


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

```
.border{ border-color:rgb(180, 139, 226) }
```

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

Here you see how a box with a 4 pixel rgb(180, 139, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 139, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 139, 226);  
box-shadow:4px 4px 4px 4px rgb(180, 139,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 41.7825, 33.6595, 76.2463 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 139, 226) }
```

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

```
.background{ background-color: rgb(180,  
139, 226) }
```

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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