

Converting Colors

XYZ(22.5627, 16.5812, 51.0134)

Have a look what the booklet for
XYZ(22.5627, 16.5812, 51.0134)
contains.

XYZ(22.7021, 16.6918, 51.3155)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(22.7021, 16.6918,
51.3155)**

Conversions

Conversions Part 1

Format	Color
Hex	825FBF
RGB	130, 95, 191
RGB Percent	51%, 37%, 75%
CMY	0.4902, 0.6274, 0.2510
CMYK	0.32, 0.50, 0.00, 0.25
HSL	262°, 43%, 56%
HSV	262°, 50%, 75%
XYZ	22.7021, 16.6918, 51.3155
YIQ	116.4090, -9.9560, 37.2760

Conversions

Conversions Part 2

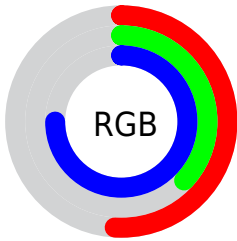
Format	Color
R _Y B	130, 95, 191
Decimal	8544191
CIE Lab	47.87, 34.93, -45.52
CIE LCh	48, 57.378, 307.498
Yxy	16.6918, 0.2503, 0.1840
Android (android.graphics.Color)	4286734271 (0xFF825FBF)
YUV	116.4090, 36.7734, 11.9193
Hunter-Lab	40.8556, 27.6892, -45.8706

Details

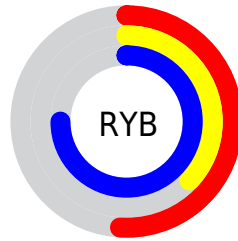
The XYZ color **22.7021, 16.6918, 51.3155** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **34.4067, 45.1559, 17.7295**, and the grayscale version is **16.6192, 17.4847, 19.0409**.

A 20% lighter version of the original color is **47.2297, 37.6494, 93.5847**, and **8.5124, 5.3757, 24.2559** is the 20% darker color. If you saturate the color by 10%, you get **19.4348, 12.7592, 50.7289**, and if you desaturate by 10%, it is **26.6121, 21.5823, 52.0537**.

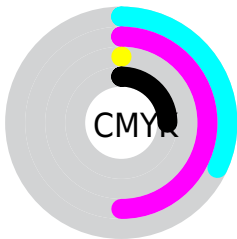
Distribution



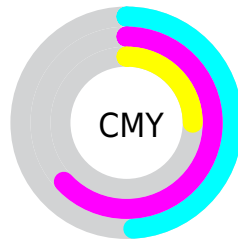
- Red (51%)
- Green (37%)
- Blue (75%)



- Red (51%)
- Yellow (37%)
- Blue (75%)



- Cyan (32%)
- Magenta (50%)
- Yellow (0%)
- Black (25%)



- Cyan (49%)
- Magenta (63%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.7021, 16.6918, 51.3155 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 22.7021, 16.6918, 51.3155 by changing the saturation by 10% instead.

■ 22.7021, 16.6918,
51.3155

■ 22.7021, 16.6918,
51.3155

258.7552,
233.3900, 408.6698

■ 14.4932, 10.0150,
36.0813

■ 47.3740, 37.7951,
93.5372

■ 8.5485, 5.4089,
24.2068

■ 64.5676, 52.9904,
121.3618

■ 4.5026, 2.4891,
15.2735

■ 85.4869, 71.7940,
154.2203

■ 1.9902, 0.8712,
8.8628

■ 110.4972, 94.5902,
192.5312

■ 0.6285, 0.0000,
4.5562

139.9638,
121.7636, 236.7131

■ 0.0000, 0.0000,
1.9352

174.2521,

■ 0.0000, 0.0000,

153.6984, 287.1844

0.5150

213.7275,
190.7791, 344.3638

■ 0.0000, 0.0000,
0.0000

■ 22.7021, 16.6918,
51.3155

■ 22.7021, 16.6918,
51.3155

■ 19.4348, 12.7592,
50.7289

■ 26.6121, 21.5823,
52.0537

■ 16.7693, 9.7160,
50.2820

■ 31.1981, 27.4891,
52.9521

■ 14.6622, 7.4871,
49.9629

■ 36.4936, 34.4678,
54.0200

■ 13.0630, 5.9836,
49.7570

■ 42.5290, 42.5695,
55.2657

■ 11.9038, 5.0503,
49.6379

■ 49.3328, 51.8418,
56.6969

■ 56.9321, 62.3298,
58.3207

■ 65.3525, 74.0760,
60.1442

■ 74.6184, 87.1208,
62.1737

■ 80.8378, 93.6721,
63.1104

Harmonies

Analogous

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



17.1950, 16.6918, 63.3977



22.7021, 16.6918, 51.3155



26.9076, 16.6918, 31.3597

Triad

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



22.7021, 16.6918, 51.3155



19.9724, 16.6918, 2.5352



7.9224, 16.6918, 22.1395

Complementary

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



22.7021, 16.6918, 51.3155



34.4067, 45.1559, 17.7295

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.



8.3519, 16.6918, 9.3258



22.7021, 16.6918, 51.3155



14.6055, 16.6918, 2.0530

Square

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



22.7021, 16.6918, 51.3155



25.1083, 16.6918, 5.7860



10.5603, 16.6918, 3.6687



9.2246, 16.6918, 41.5336

Rectangle

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



22.7021, 16.6918, 51.3155



27.9822, 16.6918, 19.4432



10.5603, 16.6918, 3.6687



7.8750, 16.6918, 16.9623

Sweetspot

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



22.7028, 16.6924, 51.3159



70.6211, 68.7639, 97.8298



26.2485, 30.4445, 53.7834



15.0078, 14.4300, 21.3796



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



22.7028, 16.6924, 51.3159



34.4451, 22.4265, 90.7924



31.5370, 21.2467, 51.7293



9.3361, 9.3901, 11.9926



7.9044, 3.3609, 32.6250



0.3822, 0.1691, 1.2813

Inverse Universe

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



31.5791, 21.6615, 33.9689



52.5899, 32.6111, 54.1152



27.0528, 41.3648, 17.3853



9.7783, 9.6356, 11.2217



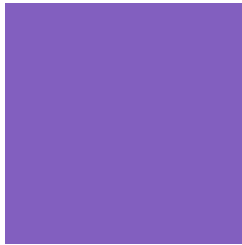
16.4427, 8.2082, 12.8906



0.6745, 0.3337, 0.6650

Previews

White Background



This preview shows how the XYZ color 22.7021, 16.6918, 51.3155 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 22.7021, 16.6918, 51.3155 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 22.7021, 16.6918, 51.3155

Background



This preview shows how black text looks on a background with the XYZ color 22.7021, 16.6918, 51.3155.



This preview shows how white text looks on a background with the XYZ color 22.7021, 16.6918,

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

22.7021, 16.6918, 51.3155

Protanopia

19.1398, 17.0184, 60.6686

Deuteranopia

17.3017, 16.8158, 49.3476



Tritanopia

16.4478, 16.6818, 20.4422

Trichromacy



Original Color

22.7021, 16.6918, 51.3155

Protanomaly

19.8106, 16.4939, 57.3978

Deuteranomaly

18.5512, 16.3199, 49.7492

Tritanomaly

18.2275, 16.4483, 29.4083

Monochromacy



Original Color

22.7021, 16.6918, 51.3155

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

18.2056, 16.7732, 28.2646

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.7021, 16.6918, 51.3155 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(130, 95, 191)` looks like.

```
.text, #text, p{  
    color:rgb(130, 95, 191)  
}
```

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(130, 95, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 95, 191) }
```

Border

The CSS property to change the border of an element to XYZ 22.7021, 16.6918, 51.3155 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(130, 95, 191) }
```


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

```
.border{ border-color:rgb(130, 95, 191) }
```

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

Here you see how a box with a 4 pixel rgb(130, 95, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 95, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 95, 191);  
box-shadow:4px 4px 4px 4px rgb(130, 95,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 22.7021, 16.6918, 51.3155 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 95, 191) }
```

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

```
.background{ background-color: rgb(130, 95,  
191) }
```

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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