

Converting Colors

XYZ(28.3105, 21.8540, 65.0190)

Have a look what the booklet for
XYZ(28.3105, 21.8540, 65.0190)
contains.

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Color

**XYZ(28.3253, 21.8308,
65.0082)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 8B70D4 |
| RGB | 139, 112, 212 |
| RGB Percent | 55%, 44%, 83% |
| CMY | 0.4549, 0.5608, 0.1686 |
| CMYK | 0.34, 0.47, 0.00, 0.17 |
| HSL | 256°, 54%, 64% |
| HSV | 256°, 47%, 83% |
| XYZ | 28.3253, 21.8308, 65.0082 |
| YIQ | 131.4730, -16.0080, 36.8240 |

Conversions

Conversions Part 2

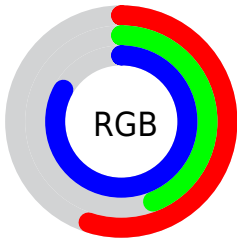
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 139, 112, 212 |
| Decimal | 9138388 |
| CIE Lab | 53.85, 32.91, -47.98 |
| CIE LCh | 54, 58.186, 304.446 |
| Yxy | 21.8308, 0.2460, 0.1896 |
| Android (android.graphics.Color) | 4287328468 (0xFF8B70D4) |
| YUV | 131.4730, 39.6998, 6.6012 |
| Hunter-Lab | 46.7234, 26.4466, -49.7861 |

Details

The XYZ color **28.3253, 21.8308, 65.0082** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **46.4759, 58.5714, 24.1858**, and the grayscale version is **21.6097, 22.7351, 24.7585**.

A 20% lighter version of the original color is **53.8311, 45.3730, 100.5284**, and **11.6096, 7.9206, 32.8152** is the 20% darker color. If you saturate the color by 10%, you get **23.8520, 16.4519, 64.2061**, and if you desaturate by 10%, it is **33.7168, 28.5012, 66.0120**.

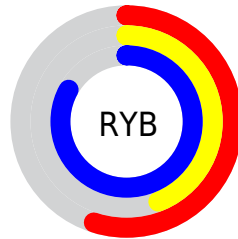
Distribution



Red (55%)

Green (44%)

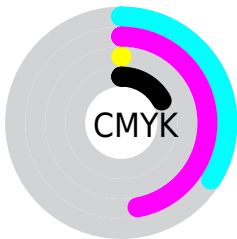
Blue (83%)



Red (55%)

Yellow (44%)

Blue (83%)

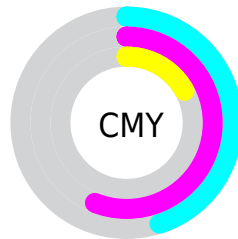


Cyan (34%)

Magenta (47%)

Yellow (0%)

Black (17%)



Cyan (45%)

Magenta (56%)

Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.3253, 21.8308, 65.0082 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 28.3253, 21.8308, 65.0082 by changing the saturation by 10% instead.

■ 28.3253, 21.8308,
65.0082

■ 28.3253, 21.8308,
65.0082

286.0700,
261.6614, 461.1285

■ 18.7127, 13.7326,
47.0163

■ 56.4084, 46.4662,
113.6750

■ 11.5657, 7.9349,
32.6941

■ 75.6096, 63.7722,
145.1871

■ 6.5187, 4.0533,
21.6230

■ 98.7378, 84.9163,
182.0430

■ 3.2066, 1.7034,
13.3845

■ 126.1583,
110.2828, 224.6612

■ 1.2640, 0.4259,
7.5600

158.2363,
140.2562, 273.4603

■ 0.1560, 0.0000,
3.7310

195.3374,

■ 0.0000, 0.0000,

175.2208, 328.8589

1.4790

237.8269,
215.5611, 391.2754

■ 0.0000, 0.0000,
0.2022

■ 0.0000, 0.0000,
0.0000

■ 28.3253, 21.8308,
65.0082

■ 28.3253, 21.8308,
65.0082

■ 23.8520, 16.4519,
64.2061

■ 33.7168, 28.5012,
66.0120

■ 20.2397, 12.2756,
63.5904

■ 40.0737, 36.5388,
67.2283

■ 17.4286, 9.2055,
63.1460

■ 47.4429, 46.0164,
68.6693

■ 15.3490, 7.1286,
62.8547

■ 55.8674, 57.0009,
70.3455

■ 13.9120, 5.8958,
62.6925

■ 65.3878, 69.5549,
72.2669

■ 13.5850, 5.6305,
62.6585

■ 76.0422, 83.7373,
74.4428

■ 86.1193, 96.1084,
76.2996

■ 88.8837, 97.5335,
76.4289

Harmonies

Analogous

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



21.6961, 21.8308, 77.3251



28.3253, 21.8308, 65.0082



33.6056, 21.8308, 41.9453

Triad

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



28.3253, 21.8308, 65.0082



26.3837, 21.8308, 4.2667



10.9179, 21.8308, 26.5421

Complementary

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



28.3253, 21.8308, 65.0082



46.4759, 58.5714, 24.1858

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.



11.6783, 21.8308, 11.7900



28.3253, 21.8308, 65.0082



19.8309, 21.8308, 3.3094

Square

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



28.3253, 21.8308, 65.0082



32.3359, 21.8308, 9.1224



14.6615, 21.8308, 5.1743



12.3256, 21.8308, 49.0697

Rectangle

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



28.3253, 21.8308, 65.0082



35.1746, 21.8308, 27.2631



14.6615, 21.8308, 5.1743



10.9311, 21.8308, 20.5888

Sweetspot

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



28.3262, 21.8316, 65.0087



75.7536, 74.6878, 105.0313



35.9851, 43.0364, 68.6980



15.6406, 15.2410, 22.3674



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.



28.3262, 21.8316, 65.0087



35.9638, 24.6763, 97.4752



38.5821, 27.1187, 65.4887



12.0541, 12.1693, 15.6511



8.4690, 3.5185, 38.6859



0.5900, 0.2531, 2.3371

Inverse Universe

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



41.7029, 29.0888, 49.3155



59.1411, 37.2816, 68.8779



36.5141, 53.4359, 23.7196



12.8033, 12.5728, 14.9042



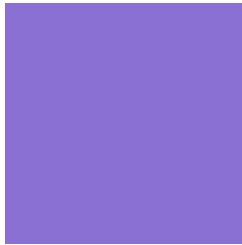
20.4456, 10.1146, 20.1825



1.2669, 0.6236, 1.3949

Previews

White Background



This preview shows how the XYZ color 28.3253, 21.8308, 65.0082 looks on a white background.

Color Contrast Check

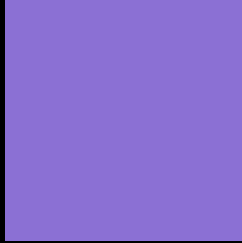
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.3253, 21.8308, 65.0082 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 28.3253, 21.8308, 65.0082

Background



This preview shows how black text looks on a background with the XYZ color 28.3253, 21.8308, 65.0082.

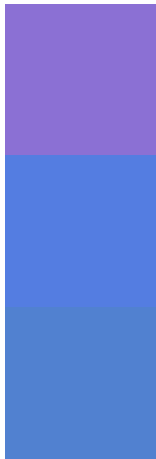


This preview shows how white text looks on a background with the XYZ color 28.3253, 21.8308,

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

28.3253, 21.8308, 65.0082

Protanopia

24.5804, 21.9883, 74.1828

Deuteranopia

22.6288, 22.0039, 62.7290



Tritanopia

20.8226, 21.8497, 27.5460

Trichromacy



Original Color

28.3253, 21.8308, 65.0082

Protanomaly

25.3437, 21.5433, 70.5327

Deuteranomaly

24.0711, 21.5941, 63.2210

Tritanomaly

23.0192, 21.5862, 39.0297

Monochromacy



Original Color

28.3253, 21.8308, 65.0082

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

23.3843, 22.0217, 36.2758

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.3253, 21.8308, 65.0082 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, 112, 212)` looks like.

```
.text, #text, p{  
    color:rgb(139, 112, 212)  
}
```

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, 112, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 112, 212) }
```

Border

The CSS property to change the border of an element to XYZ 28.3253, 21.8308, 65.0082 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, 112, 212) }
```


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

```
.border{ border-color:rgb(139, 112, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 112, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 112, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 112, 212);  
box-shadow:4px 4px 4px 4px rgb(139, 112,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 28.3253, 21.8308, 65.0082 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 112, 212) }
```

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

```
.background{ background-color: rgb(139,  
112, 212) }
```

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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