

Converting Colors

XYZ(28.4329, 21.9233, 66.3487)

Have a look what the booklet for
XYZ(28.4329, 21.9233, 66.3487)
contains.

XYZ(28.4130, 21.8467, 66.3376)	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(28.4130, 21.8467,
66.3376)**

Conversions

Conversions Part 1

Format	Color
Hex	8A70D6
RGB	138, 112, 214
RGB Percent	54%, 44%, 84%
CMY	0.4588, 0.5608, 0.1608
CMYK	0.36, 0.48, 0.00, 0.16
HSL	255°, 55%, 64%
HSV	255°, 48%, 84%
XYZ	28.4130, 21.8467, 66.3376
YIQ	131.4020, -17.2460, 37.2340

Conversions

Conversions Part 2

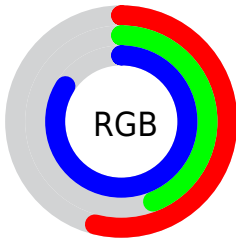
Format	Color
R_{YB}	138, 112, 214
Decimal	9072854
CIE _{Lab}	53.86, 33.18, -49.09
CIE _{LCh}	54, 59.257, 304.055
Yxy	21.8467, 0.2437, 0.1874
Android (android.graphics.Color)	4287262934 (0xFF8A70D6)
YUV	131.4020, 40.7208, 5.7864
Hunter-Lab	46.7405, 26.7124, -51.4306

Details

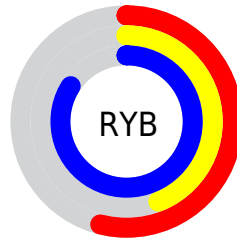
The XYZ color **28.4130, 21.8467, 66.3376** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **47.7105, 59.9547, 24.3878**, and the grayscale version is **21.5811, 22.7050, 24.7258**.

A 20% lighter version of the original color is **53.5736, 45.2403, 100.5163**, and **11.6028, 7.8972, 33.7137** is the 20% darker color. If you saturate the color by 10%, you get **23.8792, 16.4113, 65.5278**, and if you desaturate by 10%, it is **33.8970, 28.6055, 67.3536**.

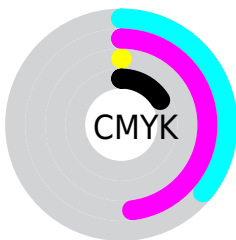
Distribution



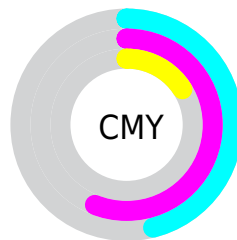
- Red (54%)
- Green (44%)
- Blue (84%)



- Red (54%)
- Yellow (44%)
- Blue (84%)



- Cyan (36%)
- Magenta (48%)
- Yellow (0%)
- Black (16%)



- Cyan (46%)
- Magenta (56%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.4130, 21.8467, 66.3376 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 28.4130, 21.8467, 66.3376 by changing the saturation by 10% instead.

■ 28.4130, 21.8467,
66.3376

■ 28.4130, 21.8467,
66.3376

286.4796,
261.7447, 466.0204

■ 18.7793, 13.7443,
48.0883

■ 56.5472, 46.4925,
115.6024

■ 11.6139, 7.9430,
33.5363

■ 75.7783, 63.8047,
147.4549

■ 6.5517, 4.0585,
22.2632

■ 98.9394, 84.9556,
184.6789

■ 3.2272, 1.7064,
13.8502

■ 126.3956,
110.3296, 227.6930

■ 1.2750, 0.4278,
7.8790

158.5123,
140.3111, 276.9156

■ 0.1644, 0.0000,
3.9310

195.6550,

■ 0.0000, 0.0000,

175.2845, 332.7654

1.5875

238.1890,
215.6343, 395.6608

■ 0.0000, 0.0000,
0.2819

■ 0.0000, 0.0000,
0.0000

■ 28.4130, 21.8467,
66.3376

■ 28.4130, 21.8467,
66.3376

■ 23.8792, 16.4113,
65.5278

■ 33.8970, 28.6055,
67.3536

■ 20.2356, 12.2074,
64.9084

■ 40.3806, 36.7662,
68.5870

■ 17.4194, 9.1350,
64.4638

■ 47.9131, 46.4041,
70.0503

■ 15.3573, 7.0765,
64.1752

■ 56.5394, 57.5881,
71.7544

■ 13.9531, 5.8716,
64.0166

■ 66.3020, 70.3830,
73.7095

■ 13.6888, 5.6547,
63.9887

■ 77.2407, 84.8497,
75.9253

■ 87.1850, 96.6284,
77.6747

■ 89.1377, 97.6351,
77.7661

Harmonies

Analogous

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



21.6435, 21.8467, 78.7995



28.4130, 21.8467, 66.3376



33.8525, 21.8467, 42.6896

Triad

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



28.4130, 21.8467, 66.3376



26.6026, 21.8467, 4.1249



10.7804, 21.8467, 26.3569

Complementary

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



28.4130, 21.8467, 66.3376



47.7105, 59.9547, 24.3878

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.



11.5775, 21.8467, 11.4966



28.4130, 21.8467, 66.3376



19.9099, 21.8467, 3.1423

Square

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



28.4130, 21.8467, 66.3376



32.6660, 21.8467, 9.0470



14.6290, 21.8467, 4.9459



12.1746, 21.8467, 49.3587

Rectangle

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



28.4130, 21.8467, 66.3376



35.4985, 21.8467, 27.6121



14.6290, 21.8467, 4.9459



10.8032, 21.8467, 20.3332

Sweetspot

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



28.4139, 21.8475, 66.3381



75.5820, 74.5993, 105.0232



36.9105, 44.4809, 70.2590



15.5992, 15.2197, 22.3655



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.



28.4139, 21.8475, 66.3381



35.5674, 24.4720, 97.4567



38.7948, 27.1991, 66.8239



12.0364, 12.1602, 15.6503



8.3560, 3.4602, 38.6806



0.5812, 0.2485, 2.3366

Inverse Universe

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



42.6032, 29.5159, 51.0286



59.4264, 37.3957, 70.3802



37.3705, 54.6242, 23.9038



12.8115, 12.5761, 14.9476



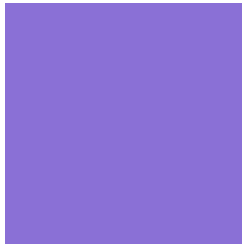
20.6121, 10.1812, 21.0594



1.2758, 0.6271, 1.4417

Previews

White Background



This preview shows how the XYZ color 28.4130, 21.8467, 66.3376 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 28.4130, 21.8467, 66.3376 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

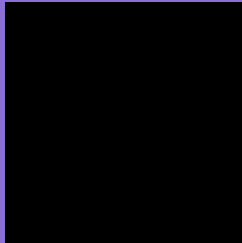
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 28.4130, 21.8467, 66.3376

Background



This preview shows how black text looks on a background with the XYZ color 28.4130, 21.8467, 66.3376.



This preview shows how white text looks on a background with the XYZ color 28.4130, 21.8467,

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

28.4130, 21.8467, 66.3376

Protanopia

24.6784, 22.0071, 75.6202

Deuteranopia

22.6250, 21.9734, 64.0216



Tritanopia

20.6099, 21.7315, 27.9193

Trichromacy



Original Color

28.4130, 21.8467, 66.3376

Protanomaly

25.3808, 21.5316, 71.9256

Deuteranomaly

24.0964, 21.5784, 64.5230

Tritanomaly

22.9601, 21.5451, 39.5077

Monochromacy



Original Color

28.4130, 21.8467, 66.3376

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

23.4722, 22.0568, 36.7385

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.4130, 21.8467, 66.3376 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(138, 112, 214)` looks like.

```
.text, #text, p{  
    color:rgb(138, 112, 214)  
}
```

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(138, 112, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 112, 214) }
```

Border

The CSS property to change the border of an element to XYZ 28.4130, 21.8467, 66.3376 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(138, 112, 214) }
```


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

```
.border{ border-color:rgb(138, 112, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 112, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(138, 112, 214); -webkit-box-shadow:4px 4px 4px 4px rgb(138, 112, 214); box-shadow:4px 4px 4px 4px rgb(138, 112, 214) }
```

Background

The CSS property to change the background color of an element to XYZ 28.4130, 21.8467, 66.3376 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 112, 214) }
```

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

```
.background{ background-color: rgb(138,  
112, 214) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor