

Converting Colors

XYZ(29.1453, 21.7327, 73.8927)

Have a look what the booklet for
XYZ(29.1453, 21.7327, 73.8927)
contains.

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Color

**XYZ(29.1582, 21.7390,
73.8934)**

Conversions

Conversions Part 1

Format	Color
Hex	876EE1
RGB	135, 110, 225
RGB Percent	53%, 43%, 88%
CMY	0.4706, 0.5686, 0.1176
CMYK	0.40, 0.51, 0.00, 0.12
HSL	253°, 66%, 66%
HSV	253°, 51%, 88%
XYZ	29.1582, 21.7390, 73.8934
YIQ	130.5850, -22.0150, 41.0650

Conversions

Conversions Part 2

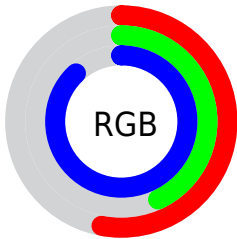
Format	Color
RYB	135, 110, 225
Decimal	8875745
CIELab	53.75, 36.58, -55.50
CIElCh	54, 66.468, 303.386
Yxy	21.7390, 0.2337, 0.1742
Android (android.graphics.Color)	4287065825 (0xFF876EE1)
YUV	130.5850, 46.5466, 3.8720
Hunter-Lab	46.6251, 30.0356, -61.3277

Details

The XYZ color **29.1582, 21.7390, 73.8934** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **53.5590, 67.2558, 24.9112**, and the grayscale version is **21.2717, 22.3795, 24.3713**.

A 20% lighter version of the original color is **52.7086, 44.2671, 100.3741**, and **11.9721, 7.8218, 38.4149** is the 20% darker color. If you saturate the color by 10%, you get **24.4290, 16.1436, 73.0631**, and if you desaturate by 10%, it is **34.9740, 28.8099, 74.9521**.

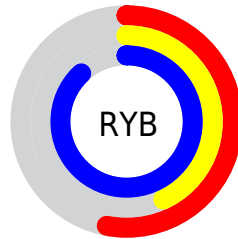
Distribution



Red (53%)

Green (43%)

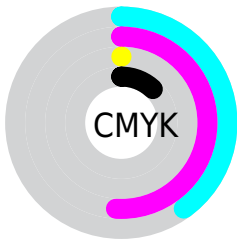
Blue (88%)



Red (53%)

Yellow (43%)

Blue (88%)

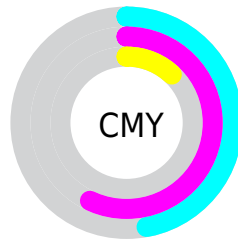


Cyan (40%)

Magenta (51%)

Yellow (0%)

Black (12%)



Cyan (47%)

Magenta (57%)

Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.1582, 21.7390, 73.8934 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 29.1582, 21.7390, 73.8934 by changing the saturation by 10% instead.

■ 29.1582, 21.7390,
73.8934

■ 29.1582, 21.7390,
73.8934

289.9414,
261.1802, 493.2589

■ 19.3454, 13.6652,
54.2105

■ 57.7242, 46.3142,
126.4773

■ 12.0256, 7.8882,
38.3757

■ 77.2080, 63.5845,
160.2155

■ 6.8334, 4.0235,
25.9703

■ 100.6463, 84.6891,
199.4758

■ 3.4036, 1.6867,
16.5759

■ 128.4044,
110.0124, 244.6768

■ 1.3706, 0.4150,
9.7738

160.8476,
139.9387, 296.2371

■ 0.2351, 0.0000,
5.1456

198.3412,

■ 0.0000, 0.0000,

174.8525, 354.5752

2.2727

241.2507,
215.1382, 420.1096

■ 0.0000, 0.0000,
0.7159

■ 0.0000, 0.0000,
0.0000

■ 29.1582, 21.7390,
73.8934

■ 29.1582, 21.7390,
73.8934

■ 24.4290, 16.1436,
73.0631

■ 34.9740, 28.8099,
74.9521

■ 20.7131, 11.9143,
72.4426

■ 41.9376, 37.4503,
76.2529

■ 17.9318, 8.9299,
72.0131

■ 50.1091, 47.7489,
77.8100

■ 15.9925, 7.0459,
71.7517

■ 59.5430, 59.7872,
79.6364

■ 14.8533, 6.0872,
71.6267

■ 70.2910, 73.6412,
81.7440

■ 82.4013, 89.3823,
84.1441

■ 90.5907, 98.2163,
85.4176

Harmonies

Analogous

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



21.4823, 21.7390, 88.4440



29.1582, 21.7390, 73.8934



35.4961, 21.7390, 45.9655

Triad

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



29.1582, 21.7390, 73.8934



27.4297, 21.7390, 3.0637



9.7789, 21.7390, 26.0647

Complementary

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



29.1582, 21.7390, 73.8934



53.5590, 67.2558, 24.9112

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.



10.6721, 21.7390, 10.0817



29.1582, 21.7390, 73.8934



19.8634, 21.7390, 2.1318

Square

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



29.1582, 21.7390, 73.8934



34.3477, 21.7390, 7.9754



14.0013, 21.7390, 3.6960



11.2017, 21.7390, 52.5025

Rectangle

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



29.1582, 21.7390, 73.8934



37.4841, 21.7390, 28.4847



14.0013, 21.7390, 3.6960



9.8198, 21.7390, 19.4311

Sweetspot

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



29.1591, 21.7398, 73.8939



73.8704, 72.7351, 104.7536



40.6951, 50.0990, 78.7598



15.2426, 14.8426, 22.3115



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.



29.1591, 21.7398, 73.8939



32.2699, 21.2376, 97.0062



41.0110, 27.8496, 74.4486



13.2293, 13.3862, 17.2742



8.6402, 3.5495, 41.2781



0.6748, 0.2851, 2.8647

Inverse Universe

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



47.0528, 31.3300, 58.2101



58.8200, 35.4993, 72.2855



40.9959, 60.7792, 24.3232



14.1608, 13.8819, 16.6167



22.4587, 11.0505, 24.8790



1.5888, 0.7788, 1.8932

Previews

White Background



This preview shows how the XYZ color 29.1582, 21.7390, 73.8934 looks on a white background.

Color Contrast Check

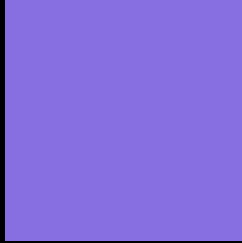
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.1582, 21.7390, 73.8934 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 29.1582, 21.7390, 73.8934

Background



This preview shows how black text looks on a background with the XYZ color 29.1582, 21.7390, 73.8934.



This preview shows how white text looks on a background with the XYZ color 29.1582, 21.7390,

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

29.1582, 21.7390, 73.8934

Protanopia

25.4457, 22.1874, 85.3795

Deuteranopia

22.7787, 22.0853, 71.4689



Tritanopia

19.9942, 21.8005, 28.3534

Trichromacy



Original Color

29.1582, 21.7390, 73.8934

Protanomaly

26.1255, 21.7064, 81.4101

Deuteranomaly

24.1055, 21.4183, 71.9709

Tritanomaly

22.5554, 21.2821, 41.9488

Monochromacy



Original Color

29.1582, 21.7390, 73.8934

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

23.3902, 21.7881, 38.5700

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.1582, 21.7390, 73.8934 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(135, 110, 225)` looks like.

```
.text, #text, p{  
    color:rgb(135, 110, 225)  
}
```

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(135, 110, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 110, 225) }
```

Border

The CSS property to change the border of an element to XYZ 29.1582, 21.7390, 73.8934 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(135, 110, 225) }
```


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

```
.border{ border-color:rgb(135, 110, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 110, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 110, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 110, 225);  
box-shadow:4px 4px 4px 4px rgb(135, 110,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 29.1582, 21.7390, 73.8934 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 110, 225) }
```

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

```
.background{ background-color: rgb(135,  
110, 225) }
```

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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