

Converting Colors

XYZ(21.7111, 11.7012, 82.0037)

Have a look what the booklet for
XYZ(21.7111, 11.7012, 82.0037)
contains.

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Color

**XYZ(21.7159, 11.7339,
82.0092)**

Conversions

Conversions Part 1

Format	Color
Hex	5F3BEE
RGB	95, 59, 238
RGB Percent	37%, 23%, 93%
CMY	0.6274, 0.7686, 0.0667
CMYK	0.60, 0.75, 0.00, 0.07
HSL	252°, 84%, 58%
HSV	252°, 75%, 93%
XYZ	21.7159, 11.7339, 82.0092
YIQ	90.1700, -36.0030, 63.3010

Conversions

Conversions Part 2

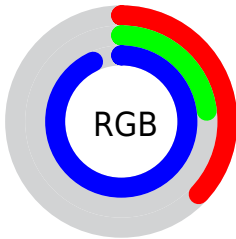
Format	Color
R _Y B	95, 59, 238
Decimal	6241262
CIE Lab	40.79, 60.88, -84.06
CIE LCh	41, 103.788, 305.917
Yxy	11.7339, 0.1881, 0.1016
Android (android.graphics.Color)	4284431342 (0xFF5F3BEE)
YUV	90.1700, 72.8802, 4.2359
Hunter-Lab	34.2548, 53.2146, -117.9675

Details

The XYZ color **21.7159, 11.7339, 82.0092** is a dark color, and the websafe version is hex **6633FF**. The color can be described as dark washed blue. A complement of this color would be **55.7189, 74.0204, 15.4882**, and the grayscale version is **9.6044, 10.1046, 11.0039**.

A 20% lighter version of the original color is **38.0325, 25.9598, 97.6140**, and **8.3405, 3.3362, 43.9204** is the 20% darker color. If you saturate the color by 10%, you get **19.0197, 8.9231, 81.6091**, and if you desaturate by 10%, it is **25.4525, 15.9075, 82.6182**.

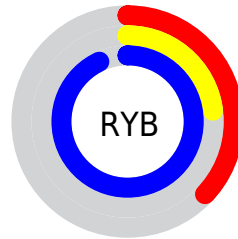
Distribution



Red (37%)

Green (23%)

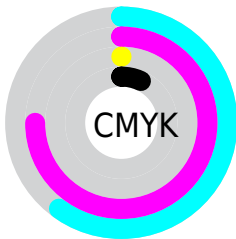
Blue (93%)



Red (37%)

Yellow (23%)

Blue (93%)

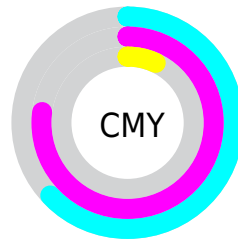


Cyan (60%)

Magenta (75%)

Yellow (0%)

Black (7%)



Cyan (63%)

Magenta (77%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.7159, 11.7339, 82.0092 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 21.7159, 11.7339, 82.0092 by changing the saturation by 10% instead.

■ 21.7159, 11.7339,
82.0092

■ 21.7159, 11.7339,
82.0092

253.7194,
202.6356, 521.5627

■ 13.7637, 6.5628,
60.8373

■ 45.7583, 29.0095,
138.0237

■ 8.0371, 3.1902,
43.6641

■ 62.5793, 41.8828,
173.7033

■ 4.1707, 1.2318,
30.0713

■ 83.0873, 58.0922,
215.0560

■ 1.7992, 0.0875,
19.6402

■ 107.6476, 78.0222,
262.5001

■ 0.5172, 0.0000,
11.9523

■ 136.6256,
102.0571, 316.4543

■ 0.0000, 0.0000,
6.5891

■ 170.3867,

■ 0.0000, 0.0000,

130.5814, 377.3371

3.1319

209.2961,
163.9794, 445.5671

■ 0.0000, 0.0000,
1.1624

■ 0.0000, 0.0000,
0.0000

■ 21.7159, 11.7339,
82.0092

■ 21.7159, 11.7339,
82.0092

■ 19.0197, 8.9231,
81.6091

■ 25.4525, 15.9075,
82.6182

■ 17.2433, 7.2910,
81.3877

■ 30.3265, 21.5941,
83.4589

■ 16.6458, 6.7985,
81.3241

■ 36.4256, 28.9243,
84.5523

■ 43.8280, 38.0142,
85.9167

■ 52.6053, 48.9694,
87.5687

■ 62.8235, 61.8869,
89.5234

■ 74.5447, 76.8572,
91.7952

■ 87.8269, 93.9647,
94.3973

■ 92.4327, 98.9531,
95.1174

Harmonies

Analogous

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



12.6799, 11.7339, 110.7711



21.7159, 11.7339, 82.0092



29.7643, 11.7339, 37.5603

Triad

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



21.7159, 11.7339, 82.0092



18.0010, 11.7339, 0.0000



2.1565, 11.7339, 17.4386

Complementary

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



21.7159, 11.7339, 82.0092



55.7189, 74.0204, 15.4882

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.



2.5678, 11.7339, 2.3345



21.7159, 11.7339, 82.0092



9.7533, 11.7339, 0.0000

Square

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



21.7159, 11.7339, 82.0092



27.0384, 11.7339, 0.6603



4.7292, 11.7339, 0.0000



3.1573, 11.7339, 54.5002

Rectangle

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



21.7159, 11.7339, 82.0092



32.1310, 11.7339, 15.8930



4.7292, 11.7339, 0.0000



2.1433, 11.7339, 10.0961

Sweetspot

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



21.7167, 11.7341, 82.0095



63.9231, 60.2893, 102.8756



38.4037, 49.4378, 88.4076



12.8169, 11.8167, 21.8553



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.



21.7167, 11.7341, 82.0095



21.0562, 9.3018, 95.2934



36.8356, 19.5283, 82.7171



15.1942, 15.3818, 19.8898



9.3704, 3.8360, 45.3744



0.8581, 0.3596, 3.7784

Inverse Universe

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



47.4836, 25.5689, 58.3045



53.0863, 26.5720, 62.5440



38.1354, 64.9558, 14.6653



16.3100, 15.9737, 19.1889



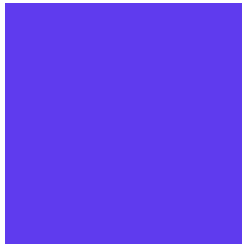
24.9118, 12.2371, 28.5156



2.1066, 1.0317, 2.5521

Previews

White Background



This preview shows how the XYZ color 21.7159, 11.7339, 82.0092 looks on a white background.

Color Contrast Check

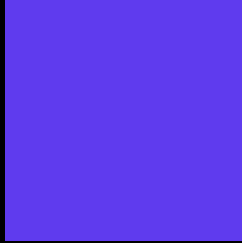
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.7159, 11.7339, 82.0092 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

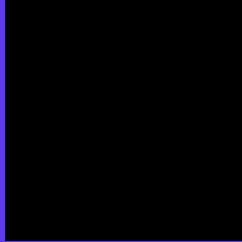
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.7159, 11.7339, 82.0092

Background



This preview shows how black text looks on a background with the XYZ color 21.7159, 11.7339, 82.0092.



This preview shows how white text looks on a background with the XYZ color 21.7159, 11.7339,

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

21.7159, 11.7339, 82.0092

Protanopia

13.5648, 11.5493, 52.5532

Deuteranopia

11.2506, 11.4885, 37.7009



Tritanopia

8.7253, 11.6527, 17.4121

Trichromacy



Original Color

21.7159, 11.7339, 82.0092

Protanomaly

15.1947, 10.7478, 62.2465

Deuteranomaly

13.3779, 10.5037, 51.1915

Tritanomaly

11.3486, 10.3179, 33.7412

Monochromacy



Original Color

21.7159, 11.7339, 82.0092

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

12.2437, 9.8809, 27.6474

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.7159, 11.7339, 82.0092 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(95, 59, 238)` looks like.

```
.text, #text, p{  
    color:rgb(95, 59, 238)  
}
```

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(95, 59, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 59, 238) }
```

Border

The CSS property to change the border of an element to XYZ 21.7159, 11.7339, 82.0092 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(95, 59, 238) }
```


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

```
.border{ border-color:rgb(95, 59, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 59, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 59, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 59, 238);  
box-shadow:4px 4px 4px 4px rgb(95, 59,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 21.7159, 11.7339, 82.0092 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 59, 238) }
```

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

```
.background{ background-color: rgb(95, 59,  
238) }
```

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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