

Converting Colors

XYZ(22.6747, 12.0645, 59.2677)

Have a look what the booklet for
XYZ(22.6747, 12.0645, 59.2677)
contains.

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Color

**XYZ(22.7201, 12.0561,
59.5221)**

Conversions

Conversions Part 1

Format	Color
Hex	8A31CE
RGB	138, 49, 206
RGB Percent	54%, 19%, 81%
CMY	0.4588, 0.8078, 0.1922
CMYK	0.33, 0.76, 0.00, 0.19
HSL	274°, 62%, 50%
HSV	274°, 76%, 81%
XYZ	22.7201, 12.0561, 59.5221
YIQ	93.5090, 2.6470, 67.6950

Conversions

Conversions Part 2

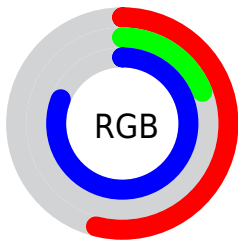
Format	Color
RYB	138, 49, 206
Decimal	9056718
CIELab	41.31, 63.30, -64.73
CIElCh	41, 90.539, 314.362
Yxy	12.0561, 0.2409, 0.1279
Android (android.graphics.Color)	4287246798 (0xFF8A31CE)
YUV	93.5090, 55.4581, 39.0186
Hunter-Lab	34.7219, 56.0373, -77.3327

Details

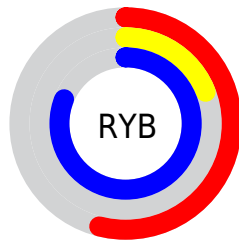
The XYZ color **22.7201, 12.0561, 59.5221** is a dark color, and the websafe version is hex **9933CC**. The color can be described as dark muted purple. A complement of this color would be **29.9618, 48.1464, 10.6199**, and the grayscale version is **10.3977, 10.9392, 11.9128**.

A 20% lighter version of the original color is **45.7653, 28.8564, 97.7655**, and **8.8133, 3.9075, 29.1439** is the 20% darker color. If you saturate the color by 10%, you get **20.6310, 9.9794, 59.2316**, and if you desaturate by 10%, it is **25.3251, 14.9830, 59.9500**.

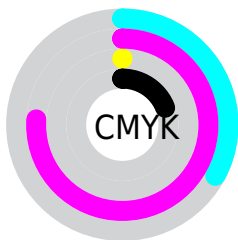
Distribution



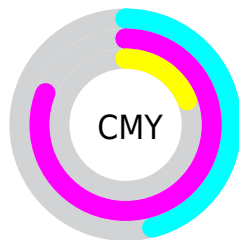
- Red (54%)
- Green (19%)
- Blue (81%)



- Red (54%)
- Yellow (19%)
- Blue (81%)



- Cyan (33%)
- Magenta (76%)
- Yellow (0%)
- Black (19%)



- Cyan (46%)
- Magenta (81%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.7201, 12.0561, 59.5221 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 22.7201, 12.0561, 59.5221 by changing the saturation by 10% instead.

■ 22.7201, 12.0561,
59.5221

■ 22.7201, 12.0561,
59.5221

258.8464,
204.7763, 440.5896

■ 14.5065, 6.7819,
42.6108

■ 47.4034, 29.5972,
105.6727

■ 8.5578, 3.3261,
29.2507

■ 64.6038, 42.6330,
135.7490

■ 4.5087, 1.3042,
19.0233

■ 85.5305, 59.0247,
171.0508

■ 1.9938, 0.1445,
11.5102

■ 110.5489, 79.1567,
211.9965

■ 0.6305, 0.0000,
6.2926

■ 140.0243,
103.4135, 259.0047

■ 0.0000, 0.0000,
2.9522

■ 174.3221,

■ 0.0000, 0.0000,

132.1794, 312.4939

1.0703

213.8077,
165.8389, 372.8827

■ 0.0000, 0.0000,
0.0000

■ 22.7201, 12.0561,
59.5221

■ 22.7201, 12.0561,
59.5221

■ 20.6310, 9.9794,
59.2316

■ 25.3251, 14.9830,
59.9500

■ 18.9931, 8.6300,
59.0575

■ 28.4945, 18.8553,
60.5304

■ 18.4472, 8.2229,
59.0077

■ 32.2725, 23.7564,
61.2773

■ 36.6978, 29.7601,
62.2029

■ 41.8056, 36.9331,
63.3182

■ 47.6286, 45.3367,
64.6333

■ 54.1969, 55.0278,
66.1577

■ 61.5389, 66.0597,
67.9001

■ 69.6815, 78.4828,
69.8689

Harmonies

Analogous

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



14.8773, 12.0561, 88.3056



22.7201, 12.0561, 59.5221



28.3804, 12.0561, 25.4558

Triad

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



22.7201, 12.0561, 59.5221



15.2023, 12.0561, 0.0000



3.0735, 12.0561, 24.2672

Complementary

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



22.7201, 12.0561, 59.5221



29.9618, 48.1464, 10.6199

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.



3.1038, 12.0561, 5.6043



22.7201, 12.0561, 59.5221



8.6090, 12.0561, 0.0000

Square

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



22.7201, 12.0561, 59.5221



23.0348, 12.0561, 0.5532



4.7137, 12.0561, 0.4534



4.6048, 12.0561, 57.9783

Rectangle

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



22.7201, 12.0561, 59.5221



29.1748, 12.0561, 10.5693



4.7137, 12.0561, 0.4534



2.9273, 12.0561, 16.0674

Sweetspot

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



22.7207, 12.0565, 59.5224



70.3733, 63.6145, 103.1775



18.7726, 17.8398, 60.8468



14.3602, 12.6123, 21.9275



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.



22.7207, 12.0565, 59.5224



31.7767, 14.7498, 95.7799



36.4629, 19.2829, 53.7469



11.2002, 11.1525, 14.1327



11.4723, 5.1217, 36.3402



0.6778, 0.3086, 1.8788

Inverse Universe

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



29.7629, 16.6029, 18.4652



45.1490, 23.3122, 21.0078



24.1397, 45.1164, 11.6376



11.4107, 11.2930, 12.6973



16.8363, 8.5451, 6.8566



0.9064, 0.4560, 0.5529

Previews

White Background



This preview shows how the XYZ color 22.7201, 12.0561, 59.5221 looks on a white background.

Color Contrast Check

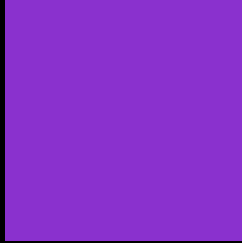
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.7201, 12.0561, 59.5221 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

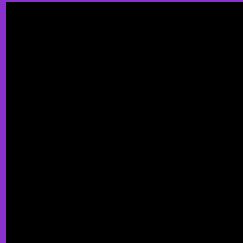
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 22.7201, 12.0561, 59.5221

Background



This preview shows how black text looks on a background with the XYZ color 22.7201, 12.0561, 59.5221.



This preview shows how white text looks on a background with the XYZ color 22.7201, 12.0561,

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

22.7201, 12.0561, 59.5221

Protanopia

14.3115, 12.1289, 55.6196

Deuteranopia

12.1000, 12.1315, 41.2390



Tritanopia

13.2850, 12.0269, 12.9305

Trichromacy



Original Color

22.7201, 12.0561, 59.5221



Protanomaly

14.7005, 10.3912, 57.1080



Deuteranomaly

13.0148, 10.0658, 47.1559



Tritanomaly

15.4889, 11.1983, 25.0120

Monochromacy



Original Color

22.7201, 12.0561, 59.5221



Achromatopsia

10.6392, 11.1932, 12.1894



Achromatomaly

13.5280, 10.5130, 24.2379

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.7201, 12.0561, 59.5221 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, 49, 206)` looks like.

```
.text, #text, p{  
    color:rgb(138, 49, 206)  
}
```

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, 49, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 49, 206) }
```

Border

The CSS property to change the border of an element to XYZ 22.7201, 12.0561, 59.5221 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, 49, 206) }
```


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

```
.border{ border-color:rgb(138, 49, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 49, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 49, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 49, 206);  
box-shadow:4px 4px 4px 4px rgb(138, 49,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 22.7201, 12.0561, 59.5221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 49, 206) }
```

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

```
.background{ background-color: rgb(138, 49,  
206) }
```

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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