

Converting Colors

XYZ(29.5844, 20.1608, 71.3340)

Have a look what the booklet for
XYZ(29.5844, 20.1608, 71.3340)
contains.

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Color

**XYZ(29.5851, 20.2123,
71.4493)**

Conversions

Conversions Part 1

Format	Color
Hex	9362DE
RGB	147, 98, 222
RGB Percent	58%, 38%, 87%
CMY	0.4235, 0.6157, 0.1294
CMYK	0.34, 0.56, 0.00, 0.13
HSL	264°, 65%, 63%
HSV	264°, 56%, 87%
XYZ	29.5851, 20.2123, 71.4493
YIQ	126.7870, -10.6000, 48.9520

Conversions

Conversions Part 2

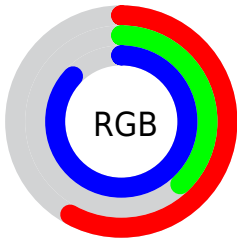
Format	Color
R _Y B	147, 98, 222
Decimal	9659102
CIE Lab	52.08, 45.42, -56.42
CIE LCh	52, 72.436, 308.835
Yxy	20.2123, 0.2440, 0.1667
Android (android.graphics.Color)	4287849182 (0xFF9362DE)
YUV	126.7870, 46.9400, 17.7268
Hunter-Lab	44.9581, 38.7870, -62.7555

Details

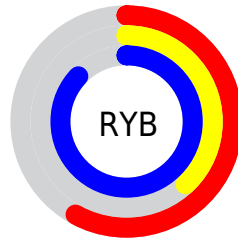
The XYZ color **29.5851, 20.2123, 71.4493** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **45.5595, 62.0089, 21.1234**, and the grayscale version is **19.9474, 20.9863, 22.8540**.

A 20% lighter version of the original color is **53.8582, 41.8701, 99.8508**, and **12.2543, 7.0912, 36.7993** is the 20% darker color. If you saturate the color by 10%, you get **25.5198, 15.4492, 70.7446**, and if you desaturate by 10%, it is **34.5091, 26.2736, 72.3601**.

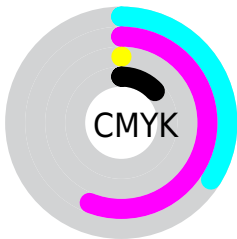
Distribution



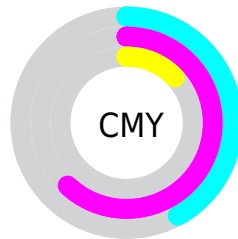
- Red (58%)
- Green (38%)
- Blue (87%)



- Red (58%)
- Yellow (38%)
- Blue (87%)



- Cyan (34%)
- Magenta (56%)
- Yellow (0%)
- Black (13%)



- Cyan (42%)
- Magenta (62%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.5851, 20.2123, 71.4493 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 29.5851, 20.2123, 71.4493 by changing the saturation by 10% instead.

■ 29.5851, 20.2123,
71.4493

■ 29.5851, 20.2123,
71.4493

291.9104,
253.0621, 484.5485

■ 19.6704, 12.5495,
52.2249

■ 58.3966, 43.7728,
122.9737

■ 12.2625, 7.1190,
36.8009

■ 78.0240, 60.4393,
156.1107

■ 6.9962, 3.5367,
24.7588

■ 101.6198, 80.8758,
194.7223

■ 3.5060, 1.4179,
15.6800

■ 129.5492,
105.4667, 239.2271

■ 1.4267, 0.2299,
9.1461

162.1776,
134.5964, 290.0436

■ 0.2751, 0.0000,
4.7385

199.8703,

■ 0.0000, 0.0000,

168.6492, 347.5902

2.0386

242.9928,
208.0097, 412.2857

■ 0.0000, 0.0000,
0.5789

■ 0.0000, 0.0000,
0.0000

■ 29.5851, 20.2123,
71.4493

■ 29.5851, 20.2123,
71.4493

■ 25.5198, 15.4492,
70.7446

■ 34.5091, 26.2736,
72.3601

■ 22.2520, 11.8791,
70.2277

■ 40.3416, 33.7221,
73.4904

■ 19.7155, 9.3836,
69.8797

■ 47.1316, 42.6416,
74.8542

■ 17.8289, 7.8163,
69.6766

■ 54.9232, 53.1083,
76.4638

■ 17.1838, 7.3355,
69.6178

■ 63.7580, 65.1930,
78.3307

■ 73.6748, 78.9621,
80.4658

■ 84.7106, 94.4783,
82.8791

■ 89.9719, 97.9441,
83.2707

■ 90.1849, 98.0540,
83.2807

Harmonies

Analogous

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



21.4803, 20.2123, 91.8133



29.5851, 20.2123, 71.4493



35.7673, 20.2123, 40.2406

Triad

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



29.5851, 20.2123, 71.4493



24.8194, 20.2123, 1.6834



8.3032, 20.2123, 28.8779

Complementary

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



29.5851, 20.2123, 71.4493



45.5595, 62.0089, 21.1234

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.



8.7636, 20.2123, 10.3309



29.5851, 20.2123, 71.4493



17.1078, 20.2123, 1.3073

Square

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



29.5851, 20.2123, 71.4493



32.5611, 20.2123, 5.0695



11.5994, 20.2123, 3.0816



10.1233, 20.2123, 58.7222

Rectangle

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



29.5851, 20.2123, 71.4493



37.2349, 20.2123, 22.8466



11.5994, 20.2123, 3.0816



8.2087, 20.2123, 21.1897

Sweetspot

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



29.5860, 20.2130, 71.4498



73.7493, 70.7542, 104.3777



33.4487, 38.3239, 74.7420



15.3067, 14.4979, 22.2416



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.



29.5860, 20.2130, 71.4498



34.1184, 20.2272, 96.7137



43.4344, 27.3521, 72.0979



13.4620, 13.5062, 17.2851



10.3236, 4.4173, 41.3569



0.8143, 0.3571, 2.8712

Inverse Universe

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



42.0350, 27.2825, 42.5853



53.4435, 31.2326, 50.4975



35.0680, 56.6003, 20.6324



14.0536, 13.8391, 16.0527



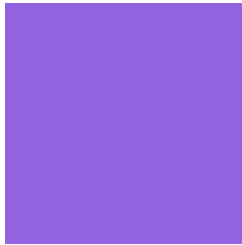
20.5165, 10.2736, 14.6518



1.4658, 0.7296, 1.2458

Previews

White Background



This preview shows how the XYZ color 29.5851, 20.2123, 71.4493 looks on a white background.

Color Contrast Check

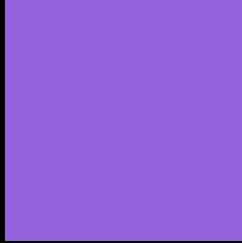
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.5851, 20.2123, 71.4493 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

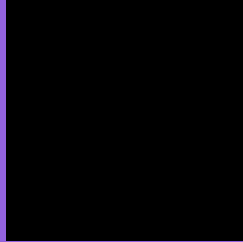
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.5851, 20.2123, 71.4493

Background



This preview shows how black text looks on a background with the XYZ color 29.5851, 20.2123, 71.4493.



This preview shows how white text looks on a background with the XYZ color 29.5851, 20.2123,

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

29.5851, 20.2123, 71.4493

Protanopia

24.3246, 20.6064, 89.0816

Deuteranopia

21.1709, 20.5577, 67.8179



Tritanopia

20.1095, 20.2249, 24.3166

Trichromacy



Original Color

29.5851, 20.2123, 71.4493



Protanomaly

24.6475, 19.5418, 82.5936



Deuteranomaly

22.6466, 19.4840, 68.8969



Tritanomaly

22.7593, 19.7248, 37.7297

Monochromacy



Original Color

29.5851, 20.2123, 71.4493



Achromatopsia

20.1725, 21.2231, 23.1119



Achromatomaly

22.5985, 20.1677, 36.8841

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.5851, 20.2123, 71.4493 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(147, 98, 222)` looks like.

```
.text, #text, p{  
    color:rgb(147, 98, 222)  
}
```

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(147, 98, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 98, 222) }
```

Border

The CSS property to change the border of an element to XYZ 29.5851, 20.2123, 71.4493 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(147, 98, 222) }
```


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

```
.border{ border-color:rgb(147, 98, 222) }
```

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

Here you see how a box with a 4 pixel rgb(147, 98, 222) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 98, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 98, 222);  
box-shadow:4px 4px 4px 4px rgb(147, 98,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 29.5851, 20.2123, 71.4493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 98, 222) }
```

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

```
.background{ background-color: rgb(147, 98,  
222) }
```

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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