

Converting Colors

XYZ(21.3193, 13.0242, 29.7374)

Have a look what the booklet for
XYZ(21.3193, 13.0242, 29.7374)
contains.

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Color

**XYZ(21.3029, 12.9940,
29.8191)**

Conversions

Conversions Part 1

Format	Color
Hex	9E3F95
RGB	158, 63, 149
RGB Percent	62%, 25%, 58%
CMY	0.3804, 0.7529, 0.4157
CMYK	0.00, 0.60, 0.06, 0.38
HSL	306°, 43%, 43%
HSV	306°, 60%, 62%
XYZ	21.3029, 12.9940, 29.8191
YIQ	101.2090, 29.0140, 46.8860

Conversions

Conversions Part 2

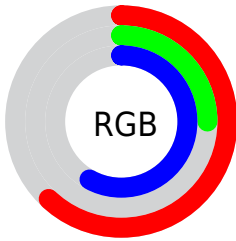
Format	Color
R _Y B	158, 63, 149
Decimal	10370965
CIE Lab	42.75, 50.47, -28.58
CIE LCh	43, 57.997, 330.477
Yxy	12.9940, 0.3323, 0.2027
Android (android.graphics.Color)	4288561045 (0xFF9E3F95)
YUV	101.2090, 23.5610, 49.8057
Hunter-Lab	36.0472, 42.4060, -23.8131

Details

The XYZ color **21.3029, 12.9940, 29.8191** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **15.4471, 25.9789, 10.3320**, and the grayscale version is **12.3598, 13.0035, 14.1608**.

A 20% lighter version of the original color is **45.0492, 31.2497, 60.1573**, and **7.9135, 3.8249, 11.8765** is the 20% darker color. If you saturate the color by 10%, you get **20.4315, 11.4410, 28.9428**, and if you desaturate by 10%, it is **22.4278, 15.0510, 30.7877**.

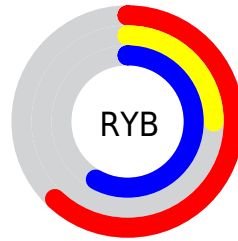
Distribution



Red (62%)

Green (25%)

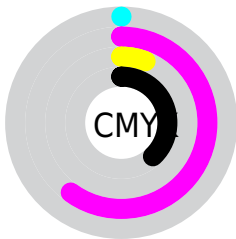
Blue (58%)



Red (62%)

Yellow (25%)

Blue (58%)

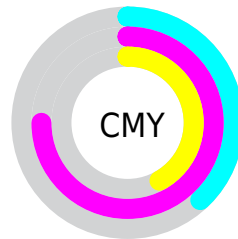


Cyan (0%)

Magenta (60%)

Yellow (6%)

Black (38%)



Cyan (38%)

Magenta (75%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.3029, 12.9940, 29.8191 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 21.3029, 12.9940, 29.8191 by changing the saturation by 10% instead.

■ 21.3029, 12.9940,
29.8191

■ 21.3029, 12.9940,
29.8191

251.5852,
210.8792, 315.2413

■ 13.4593, 7.4244,
19.4504

■ 45.0786, 31.2930,
60.4336

■ 7.8248, 3.7289,
11.8161

■ 61.7414, 44.7912,
81.5165

■ 4.0339, 1.5231,
6.4976

■ 82.0747, 61.7011,
107.0079

■ 1.7213, 0.3049,
3.0763

■ 106.4437, 82.4070,
137.3264

■ 0.4696, 0.0000,
1.1337

■ 135.2140,
107.2934, 172.8904

■ 0.0000, 0.0000,
0.0000

168.7507,

136.7446, 214.1185

207.4194,
171.1451, 261.4293

■ 21.3029, 12.9940,
29.8191

■ 21.3029, 12.9940,
29.8191

■ 20.4315, 11.4410,
28.9428

■ 22.4278, 15.0510,
30.7877

■ 19.7902, 10.3459,
28.1507

■ 23.8245, 17.6493,
31.8544

■ 19.3533, 9.6574,
27.4342

■ 25.5109, 20.8247,
33.0253

■ 19.0611, 9.2533,
26.7804

■ 27.5032, 24.6094,
34.3058

■ 29.8164, 29.0333,
35.7010

■ 32.4644, 34.1243,
37.2155

■ 35.4603, 39.9087,
38.8537

■ 38.8165, 46.4112,
40.6198

■ 42.5449, 53.6555,
42.5177

Harmonies

Analogous

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



17.1732, 12.9940, 47.1250



21.3029, 12.9940, 29.8191



22.9266, 12.9940, 13.9469

Triad

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



21.3029, 12.9940, 29.8191



12.2799, 12.9940, 1.1053



6.3860, 12.9940, 30.3989

Complementary

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



21.3029, 12.9940, 29.8191



15.4471, 25.9789, 10.3320

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.



5.6603, 12.9940, 14.3516



21.3029, 12.9940, 29.8191



8.5273, 12.9940, 1.8392

Square

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



21.3029, 12.9940, 29.8191



17.0212, 12.9940, 1.7878



6.3406, 12.9940, 5.2342



8.6233, 12.9940, 47.5777

Rectangle

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



21.3029, 12.9940, 29.8191



22.1267, 12.9940, 7.2361



6.3406, 12.9940, 5.2342



5.9848, 12.9940, 24.4659

Sweetspot

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



21.3034, 12.9946, 29.8194



50.6464, 46.0280, 62.7320



10.5421, 7.3607, 33.2134



11.1731, 9.9095, 13.9908



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



21.3034, 12.9946, 29.8194



36.6767, 20.0363, 52.0709



18.3060, 11.7956, 14.0353



6.8770, 6.7437, 8.2037



15.2735, 7.4140, 21.4892



0.2802, 0.1354, 0.4215

Inverse Universe

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



21.3034, 12.9946, 29.8194



36.6767, 20.0363, 52.0709



17.5722, 26.8290, 21.5227



6.8770, 6.7437, 8.2037



15.2735, 7.4140, 21.4892



0.2802, 0.1354, 0.4215

Previews

White Background



This preview shows how the XYZ color 21.3029, 12.9940, 29.8191 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 21.3029, 12.9940, 29.8191 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

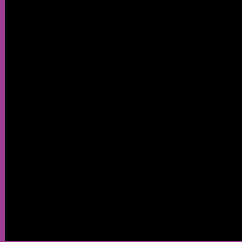
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.3029, 12.9940, 29.8191

Background



This preview shows how black text looks on a background with the XYZ color 21.3029, 12.9940, 29.8191.



This preview shows how white text looks on a background with the XYZ color 21.3029, 12.9940,

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

21.3029, 12.9940, 29.8191

Protanopia

14.8144, 13.3090, 44.9681

Deuteranopia

13.5421, 13.3168, 27.8432



Tritanopia

17.3109, 12.9885, 10.3987

Trichromacy



Original Color

21.3029, 12.9940, 29.8191

Protanomaly

15.5262, 12.1168, 39.0566

Deuteranomaly

15.3291, 12.3714, 28.3681

Tritanomaly

18.5355, 12.8717, 15.9756

Monochromacy



Original Color

21.3029, 12.9940, 29.8191

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

14.7042, 12.2620, 18.7313

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.3029, 12.9940, 29.8191 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(158, 63, 149)` looks like.

```
.text, #text, p{  
    color:rgb(158, 63, 149)  
}
```

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(158, 63, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 63, 149) }
```

Border

The CSS property to change the border of an element to XYZ 21.3029, 12.9940, 29.8191 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(158, 63, 149) }
```


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

```
.border{ border-color:rgb(158, 63, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 63, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 63, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 63, 149);  
box-shadow:4px 4px 4px 4px rgb(158, 63,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 21.3029, 12.9940, 29.8191 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 63, 149) }
```

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

```
.background{ background-color: rgb(158, 63,  
149) }
```

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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