

Converting Colors

XYZ(21.4618, 20.8744, 29.7833)

Have a look what the booklet for
XYZ(21.4618, 20.8744, 29.7833)
contains.

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Color

**XYZ(21.4304, 20.7887,
29.6712)**

Conversions

Conversions Part 1

Format	Color
Hex	837A91
RGB	131, 122, 145
RGB Percent	51%, 48%, 57%
CMY	0.4863, 0.5216, 0.4314
CMYK	0.10, 0.16, 0.00, 0.43
HSL	263°, 9%, 52%
HSV	263°, 16%, 57%
XYZ	21.4304, 20.7887, 29.6712
YIQ	127.3130, -2.0190, 9.0610

Conversions

Conversions Part 2

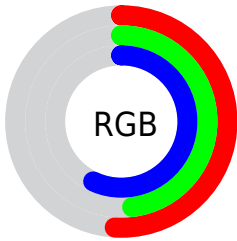
Format	Color
R_{YB}	131, 122, 145
Decimal	8616593
CIE _{Lab}	52.72, 8.13, -11.19
CIE _{LCh}	53, 13.827, 305.997
Yxy	20.7887, 0.2981, 0.2892
Android (android.graphics.Color)	4286806673 (0xFF837A91)
YUV	127.3130, 8.7197, 3.2335
Hunter-Lab	45.5946, 4.1080, -6.6674

Details

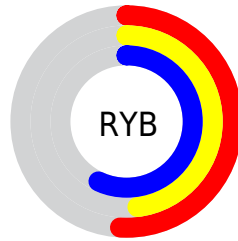
The XYZ color **21.4304, 20.7887, 29.6712** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **23.7924, 26.8908, 22.3498**, and the grayscale version is **20.2524, 21.3071, 23.2034**.

A 20% lighter version of the original color is **45.2120, 44.5860, 60.2559**, and **7.8414, 7.3406, 11.8301** is the 20% darker color. If you saturate the color by 10%, you get **18.4719, 16.8152, 29.0605**, and if you desaturate by 10%, it is **24.7723, 25.3553, 30.3768**.

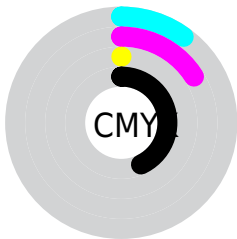
Distribution



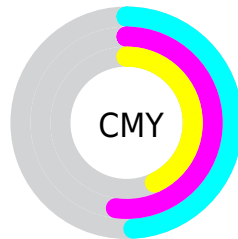
- Red (51%)
- Green (48%)
- Blue (57%)



- Red (51%)
- Yellow (48%)
- Blue (57%)



- Cyan (10%)
- Magenta (16%)
- Yellow (0%)
- Black (43%)



- Cyan (49%)
- Magenta (52%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.4304, 20.7887, 29.6712 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 21.4304, 20.7887, 29.6712 by changing the saturation by 10% instead.

■ 21.4304, 20.7887,
29.6712

■ 21.4304, 20.7887,
29.6712

252.2457,
256.1534, 314.5283

■ 13.5532, 12.9696,
19.3392

■ 45.2886, 44.7356,
60.1967

■ 7.8902, 7.4076,
11.7364

■ 62.0004, 61.6322,
81.2272

■ 4.0760, 3.7183,
6.4441

■ 82.3878, 82.3235,
106.6611

■ 1.7452, 1.5173,
3.0438

106.8161,
107.1938, 136.9167

■ 0.4843, 0.3008,
1.1171

135.6507,
136.6276, 172.4127

■ 0.0000, 0.0000,
0.0000

169.2569,

171.0092, 213.5676

208.0001,
210.7230, 260.8000

■ 21.4304, 20.7887,
29.6712

■ 21.4304, 20.7887,
29.6712

■ 18.4719, 16.8152,
29.0605

■ 24.7723, 25.3553,
30.3768

■ 15.8803, 13.4073,
28.5393

■ 28.5096, 30.5358,
31.1798

■ 13.6406, 10.5391,
28.1037

■ 32.6559, 36.3533,
32.0841

■ 11.7361, 8.1816,
27.7491

■ 37.2236, 42.8287,
33.0933

■ 10.1483, 6.3031,
27.4701

■ 42.2247, 49.9822,
34.2105

8.8571, 4.8679,
27.2612

47.6706, 57.8329,
35.4388

7.8393, 3.8356,
27.1156

53.5722, 66.3992,
36.7812

7.0628, 3.1473,
27.0237

59.9402, 75.6989,
38.2406

6.7829, 2.9063,
26.9919

66.7848, 85.7491,
39.8197

Harmonies

Analogous

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



20.0496, 20.7887, 31.4668



21.4304, 20.7887, 29.6712



22.3962, 20.7887, 26.0144

Triad

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



21.4304, 20.7887, 29.6712



20.9061, 20.7887, 16.1403



17.1329, 20.7887, 23.4735

Complementary

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



21.4304, 20.7887, 29.6712



23.7924, 26.8908, 22.3498

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.



17.3375, 20.7887, 19.5623



21.4304, 20.7887, 29.6712



19.4713, 20.7887, 15.6334

Square

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



21.4304, 20.7887, 29.6712



22.0833, 20.7887, 18.2898



18.1769, 20.7887, 16.8102



17.6038, 20.7887, 27.6198

Rectangle

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



21.4304, 20.7887, 29.6712



22.6499, 20.7887, 23.1931



18.1769, 20.7887, 16.8102



17.1253, 20.7887, 22.0867

Sweetspot

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



21.4310, 20.7896, 29.6717



44.8441, 46.0696, 54.5023



21.9676, 23.8427, 30.2327



9.8876, 10.1268, 12.1057



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



21.4310, 20.7896, 29.6717



36.4288, 34.5953, 52.7311



23.2808, 21.7431, 29.7582



5.3167, 5.3515, 6.7815



5.8455, 2.5070, 23.1529



0.0794, 0.0361, 0.2225

Inverse Universe

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



23.0813, 21.7173, 26.2691



39.9839, 36.5952, 45.3454



22.0503, 25.9927, 22.2683



5.5381, 5.4758, 6.3314



11.5493, 5.7767, 8.5437



0.1213, 0.0596, 0.1388

Previews

White Background



This preview shows how the XYZ color 21.4304, 20.7887, 29.6712 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 21.4304, 20.7887, 29.6712 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 21.4304, 20.7887, 29.6712

Background



This preview shows how black text looks on a background with the XYZ color 21.4304, 20.7887, 29.6712.



This preview shows how white text looks on a background with the XYZ color 21.4304, 20.7887,

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

21.4304, 20.7887, 29.6712

Protanopia

20.6261, 20.9114, 30.5530

Deuteranopia

21.2471, 20.8774, 29.6980



Tritanopia

20.5640, 20.8037, 25.4859

Trichromacy



Original Color

21.4304, 20.7887, 29.6712

Protanomaly

20.8534, 20.8506, 30.1196

Deuteranomaly

21.3997, 20.9561, 29.7051

Tritanomaly

20.8763, 20.7467, 26.9490

Monochromacy



Original Color

21.4304, 20.7887, 29.6712

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

20.5388, 20.9777, 25.5208

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4304, 20.7887, 29.6712 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(131, 122, 145)` looks like.

```
.text, #text, p{  
    color:rgb(131, 122, 145)  
}
```

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(131, 122, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 122, 145) }
```

Border

The CSS property to change the border of an element to XYZ 21.4304, 20.7887, 29.6712 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(131, 122, 145) }
```


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

```
.border{ border-color:rgb(131, 122, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 122, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 122, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 122, 145);  
box-shadow:4px 4px 4px 4px rgb(131, 122,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 21.4304, 20.7887, 29.6712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 122, 145) }
```

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

```
.background{ background-color: rgb(131,  
122, 145) }
```

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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