

Converting Colors

XYZ(21.1916, 20.5932, 31.2921)

Have a look what the booklet for
XYZ(21.1916, 20.5932, 31.2921)
contains.

XYZ(21.2864, 20.6782, 31.3031)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(21.2864, 20.6782,
31.3031)**

Conversions

Conversions Part 1

Format	Color
Hex	807A95
RGB	128, 122, 149
RGB Percent	50%, 48%, 58%
CMY	0.4980, 0.5216, 0.4157
CMYK	0.14, 0.18, 0.00, 0.42
HSL	253°, 11%, 53%
HSV	253°, 18%, 58%
XYZ	21.2864, 20.6782, 31.3031
YIQ	126.8720, -5.0910, 9.6690

Conversions

Conversions Part 2

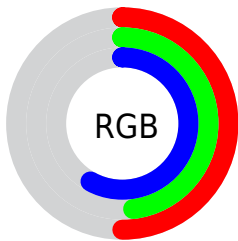
Format	Color
R _Y B	128, 122, 149
Decimal	8419989
CIE Lab	52.60, 7.97, -13.73
CIE LCh	53, 15.876, 300.129
Yxy	20.6782, 0.2905, 0.2822
Android (android.graphics.Color)	4286610069 (0xFF807A95)
YUV	126.8720, 10.9091, 0.9893
Hunter-Lab	45.4733, 3.9790, -8.9830

Details

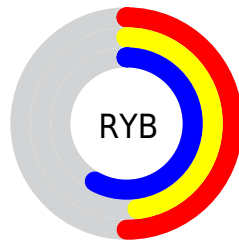
The XYZ color **21.2864, 20.6782, 31.3031** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **25.5888, 28.7402, 22.6121**, and the grayscale version is **20.0944, 21.1409, 23.0224**.

A 20% lighter version of the original color is **44.9716, 44.4077, 62.7012**, and **7.8116, 7.3092, 12.5544** is the 20% darker color. If you saturate the color by 10%, you get **17.9506, 16.4481, 30.6628**, and if you desaturate by 10%, it is **25.1032, 25.5737, 32.0472**.

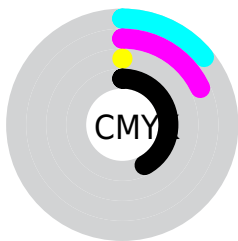
Distribution



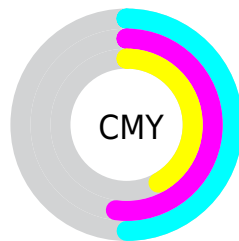
- Red (50%)
- Green (48%)
- Blue (58%)



- Red (50%)
- Yellow (48%)
- Blue (58%)



- Cyan (14%)
- Magenta (18%)
- Yellow (0%)
- Black (42%)



- Cyan (50%)
- Magenta (52%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.2864, 20.6782, 31.3031 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 21.2864, 20.6782, 31.3031 by changing the saturation by 10% instead.

■ 21.2864, 20.6782,
31.3031

■ 21.2864, 20.6782,
31.3031

251.4997,
255.5633, 322.3266

■ 13.4472, 12.8890,
20.5694

■ 45.0514, 44.5514,
62.8021

■ 7.8163, 7.3521,
12.6214

■ 61.7079, 61.4041,
84.4045

■ 4.0284, 3.6833,
7.0407

■ 82.0341, 82.0468,
110.4668

■ 1.7182, 1.4980,
3.4088

106.3955,
106.8638, 141.4076

■ 0.4676, 0.2873,
1.3069

135.1574,
136.2396, 177.6455

■ 0.0000, 0.0000,
0.0675

168.6852,

■ 0.0000, 0.0000,

170.5585, 219.5989

0.0000

207.3441,
210.2049, 267.6864

■ 21.2864, 20.6782,
31.3031

■ 21.2864, 20.6782,
31.3031

■ 17.9506, 16.4481,
30.6628

■ 25.1032, 25.5737,
32.0472

■ 15.0744, 12.8519,
30.1202

■ 29.4172, 31.1592,
32.8979

■ 12.6377, 9.8595,
29.6710

■ 34.2466, 37.4611,
33.8598

■ 10.6181, 7.4370,
29.3099

■ 39.6076, 44.5037,
34.9366

■ 8.9912, 5.5474,
29.0309

■ 45.5161, 52.3101,
36.1320

7.7297, 4.1492,
28.8275

51.9870, 60.9025,
37.4494

6.8028, 3.1943,
28.6921

59.0350, 70.3021,
38.8922

6.1581, 2.5931,
28.6100

66.6738, 80.5293,
40.4637

6.0554, 2.4950,
28.5965

74.5639, 90.8975,
42.0491

Harmonies

Analogous

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



19.6611, 20.6782, 32.8540



21.2864, 20.6782, 31.3031



22.5292, 20.6782, 27.3397

Triad

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



21.2864, 20.6782, 31.3031



21.2734, 20.6782, 15.5321



16.6549, 20.6782, 22.5354

Complementary

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



21.2864, 20.6782, 31.3031



25.5888, 28.7402, 22.6121

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.



17.0344, 20.6782, 18.2943



21.2864, 20.6782, 31.3031



19.6469, 20.6782, 14.6105

Square

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



21.2864, 20.6782, 31.3031



22.5215, 20.6782, 18.2636



18.1073, 20.6782, 15.5480



17.0409, 20.6782, 27.3799

Rectangle

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



21.2864, 20.6782, 31.3031



22.9411, 20.6782, 24.1055



18.1073, 20.6782, 15.5480



16.6969, 20.6782, 20.9961

Sweetspot

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



21.2870, 20.6791, 31.3036



47.1921, 48.6848, 57.8311



23.2965, 25.9981, 32.2243



10.3529, 10.6529, 12.7954



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



21.2870, 20.6791, 31.3036



35.4329, 33.6114, 55.5414



23.4291, 21.7834, 31.4038



5.6129, 5.6914, 7.2725



5.1186, 2.1113, 24.0688



0.0842, 0.0370, 0.2956

Inverse Universe

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



24.3126, 22.2927, 29.0092



41.9760, 37.1034, 50.4770



23.4133, 27.6187, 22.5103



5.9807, 5.8874, 7.0047



13.0912, 6.4415, 14.4929



0.1711, 0.0832, 0.2349

Previews

White Background



This preview shows how the XYZ color 21.2864, 20.6782, 31.3031 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 21.2864, 20.6782, 31.3031 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 21.2864, 20.6782, 31.3031

Background



This preview shows how black text looks on a background with the XYZ color 21.2864, 20.6782, 31.3031.



This preview shows how white text looks on a background with the XYZ color 21.2864, 20.6782,

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

21.2864, 20.6782, 31.3031

Protanopia

20.5393, 20.6427, 32.1801

Deuteranopia

21.1120, 20.7715, 31.3303



Tritanopia

20.2409, 20.8241, 25.5069

Trichromacy



Original Color

21.2864, 20.6782, 31.3031

Protanomaly

20.7564, 20.5789, 31.7323

Deuteranomaly

21.2602, 20.8479, 31.3373

Tritanomaly

20.6202, 20.7914, 27.3524

Monochromacy



Original Color

21.2864, 20.6782, 31.3031

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

20.4592, 20.9285, 25.8830

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2864, 20.6782, 31.3031 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(128, 122, 149)` looks like.

```
.text, #text, p{  
    color:rgb(128, 122, 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(128, 122, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 122, 149) }
```

Border

The CSS property to change the border of an element to XYZ 21.2864, 20.6782, 31.3031 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(128, 122, 149) }
```


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

```
.border{ border-color:rgb(128, 122, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 122, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 122, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 122, 149);  
box-shadow:4px 4px 4px 4px rgb(128, 122,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 21.2864, 20.6782, 31.3031 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 122, 149) }
```

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

```
.background{ background-color: rgb(128,  
122, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor