

Converting Colors

XYZ(21.2995, 21.5285, 32.0773)

Have a look what the booklet for
XYZ(21.2995, 21.5285, 32.0773)
contains.

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Color

**XYZ(21.2628, 21.5917,
31.9011)**

Conversions

Conversions Part 1

Format	Color
Hex	7B7F96
RGB	123, 127, 150
RGB Percent	48%, 50%, 59%
CMY	0.5176, 0.5019, 0.4118
CMYK	0.18, 0.15, 0.00, 0.41
HSL	231°, 11%, 54%
HSV	231°, 18%, 59%
XYZ	21.2628, 21.5917, 31.9011
YIQ	128.4260, -9.7670, 6.3050

Conversions

Conversions Part 2

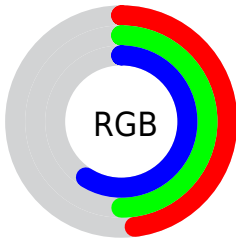
Format	Color
R_{YB}	123, 126, 150
Decimal	8093590
CIE Lab	53.59, 3.57, -12.85
CIE LCh	54, 13.336, 285.507
Yxy	21.5917, 0.2844, 0.2888
Android (android.graphics.Color)	4286283670 (0xFF7B7F96)
YUV	128.4260, 10.6360, -4.7586
Hunter-Lab	46.4669, 0.3629, -8.1778

Details

The XYZ color **21.2628, 21.5917, 31.9011** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **26.4320, 28.4720, 22.8420**, and the grayscale version is **20.6329, 21.7075, 23.6394**.

A 20% lighter version of the original color is **45.1248, 46.2323, 63.6721**, and **7.8006, 7.8055, 12.8999** is the 20% darker color. If you saturate the color by 10%, you get **17.7324, 17.4759, 31.2931**, and if you desaturate by 10%, it is **25.3326, 26.2974, 32.5952**.

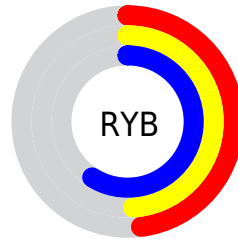
Distribution



Red (48%)

Green (50%)

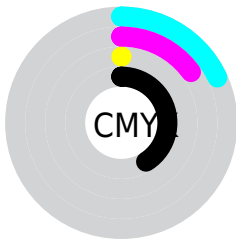
Blue (59%)



Red (48%)

Yellow (49%)

Blue (59%)

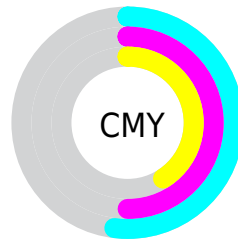


Cyan (18%)

Magenta (15%)

Yellow (0%)

Black (41%)



Cyan (52%)

Magenta (50%)

Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.2628, 21.5917, 31.9011 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 21.2628, 21.5917, 31.9011 by changing the saturation by 10% instead.

■ 21.2628, 21.5917,
31.9011

■ 21.2628, 21.5917,
31.9011

251.3772,
260.4066, 325.1473

■ 13.4298, 13.5572,
21.0218

■ 45.0125, 46.0702,
63.7521

■ 7.8042, 7.8133,
12.9485

■ 61.6599, 63.2831,
85.5609

■ 4.0207, 3.9757,
7.2628

■ 81.9761, 84.3241,
111.8499

■ 1.7138, 1.6600,
3.5461

106.3265,
109.5778, 143.0377

■ 0.4649, 0.3976,
1.3798

135.0765,
139.4285, 179.5428

■ 0.0000, 0.0000,
0.1259

168.5913,

■ 0.0000, 0.0000,

174.2605, 221.7837

0.0000

207.2365,
214.4584, 270.1790

■ 21.2628, 21.5917,
31.9011

■ 21.2628, 21.5917,
31.9011

■ 17.7324, 17.4759,
31.2931

■ 25.3326, 26.2974,
32.5952

■ 14.7168, 13.9239,
30.7664

■ 29.9612, 31.6123,
33.3772

■ 12.1922, 10.9119,
30.3181

■ 35.1695, 37.5582,
34.2503

■ 10.1322, 8.4131,
29.9444

■ 40.9767, 44.1549,
35.2175

■ 8.5080, 6.3984,
29.6411

■ 47.4010, 51.4213,
36.2815

■ 7.2875, 4.8357,
29.4038

■ 54.4600, 59.3758,
37.4448

■ 6.4338, 3.6890,
29.2275

■ 62.1704, 68.0357,
38.7100

■ 5.8857, 2.9075,
29.1055

■ 70.5486, 77.4181,
40.0794

■ 5.7964, 2.7846,
29.0865

■ 78.4966, 86.9651,
41.5032

Harmonies

Analogous

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



19.8449, 21.5917, 31.9452



21.2628, 21.5917, 31.9011



22.5373, 21.5917, 29.4424

Triad

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



21.2628, 21.5917, 31.9011



22.5009, 21.5917, 18.3495



17.9847, 21.5917, 21.6020

Complementary

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



21.2628, 21.5917, 31.9011



26.4320, 28.4720, 22.8420

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.



18.6310, 21.5917, 18.4328



21.2628, 21.5917, 31.9011



21.2149, 21.5917, 16.7076

Square

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



21.2628, 21.5917, 31.9011



23.2743, 21.5917, 21.4755



19.7991, 21.5917, 16.7362



17.9962, 21.5917, 25.6684

Rectangle

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



21.2628, 21.5917, 31.9011



23.1152, 21.5917, 26.9116



19.7991, 21.5917, 16.7362



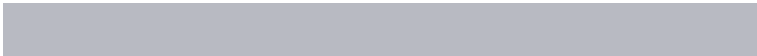
18.1309, 21.5917, 20.4073

Sweetspot

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



21.2635, 21.5926, 31.9016



46.9721, 49.0168, 57.9067



24.2596, 28.0978, 31.3189



10.2985, 10.7349, 12.8141



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.



21.2635, 21.5926, 31.9016



34.6468, 34.7585, 55.8042



22.1748, 21.3104, 31.7991



5.5648, 5.7635, 7.2889



4.8231, 2.3410, 24.1287



0.0723, 0.0552, 0.2997

Inverse Universe

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



23.4920, 22.1829, 23.1232



39.4169, 36.0798, 37.0011



25.3901, 28.8665, 22.9731



5.8338, 5.8286, 6.2307



10.5616, 5.4297, 1.1723



0.1360, 0.0691, 0.0496

Previews

White Background



This preview shows how the XYZ color 21.2628, 21.5917, 31.9011 looks on a white background.

Color Contrast Check

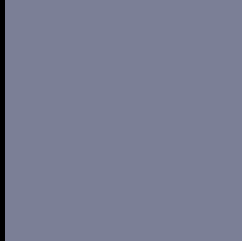
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.2628, 21.5917, 31.9011 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

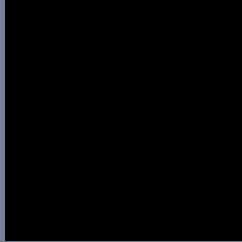
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.2628, 21.5917, 31.9011

Background



This preview shows how black text looks on a background with the XYZ color 21.2628, 21.5917, 31.9011.



This preview shows how white text looks on a background with the XYZ color 21.2628, 21.5917,

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

21.2628, 21.5917, 31.9011

Protanopia

21.2628, 21.5917, 31.9011

Deuteranopia

21.8919, 21.5364, 31.8573



Tritanopia

20.3956, 21.6295, 27.5261

Trichromacy



Original Color

21.2628, 21.5917, 31.9011

Protanomaly

21.2628, 21.5917, 31.9011

Deuteranomaly

21.7183, 21.6357, 31.8856

Tritanomaly

20.7031, 21.5591, 29.0567

Monochromacy



Original Color

21.2628, 21.5917, 31.9011

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

20.7673, 21.6515, 26.3772

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2628, 21.5917, 31.9011 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(123, 127, 150)` looks like.

```
.text, #text, p{  
    color:rgb(123, 127, 150)  
}
```

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(123, 127, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 127, 150) }
```

Border

The CSS property to change the border of an element to XYZ 21.2628, 21.5917, 31.9011 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(123, 127, 150) }
```


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

```
.border{ border-color:rgb(123, 127, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 127, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 127, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 127, 150);  
box-shadow:4px 4px 4px 4px rgb(123, 127,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 21.2628, 21.5917, 31.9011 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 127, 150) }
```

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

```
.background{ background-color: rgb(123,  
127, 150) }
```

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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