

Converting Colors

XYZ(21.0813, 28.8647, 31.9803)

Have a look what the booklet for
XYZ(21.0813, 28.8647, 31.9803)
contains.

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Color

**XYZ(21.1455, 28.9537,
32.0779)**

Conversions

Conversions Part 1

Format	Color
Hex	50A093
RGB	80, 160, 147
RGB Percent	31%, 63%, 58%
CMY	0.6863, 0.3725, 0.4235
CMYK	0.50, 0.00, 0.08, 0.37
HSL	170°, 33%, 47%
HSV	170°, 50%, 63%
XYZ	21.1455, 28.9537, 32.0779
YIQ	134.5980, -43.5070, -21.0030

Conversions

Conversions Part 2

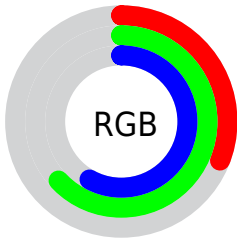
Format	Color
RYB	80, 124, 160
Decimal	5283987
CIELab	60.74, -27.81, -0.77
CIElCh	61, 27.822, 181.582
Yxy	28.9537, 0.2573, 0.3523
Android (android.graphics.Color)	4283474067 (0xFF50A093)
YUV	134.5980, 6.1142, -47.8824
Hunter-Lab	53.8086, -24.0189, 2.3205

Details

The XYZ color **21.1455, 28.9537, 32.0779** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **19.3426, 14.0019, 12.0400**, and the grayscale version is **22.8706, 24.0617, 26.2032**.

A 20% lighter version of the original color is **44.8347, 57.9688, 64.0844**, and **7.7697, 11.7168, 13.1613** is the 20% darker color. If you saturate the color by 10%, you get **19.7505, 28.2586, 30.9600**, and if you desaturate by 10%, it is **22.8684, 29.8188, 33.2365**.

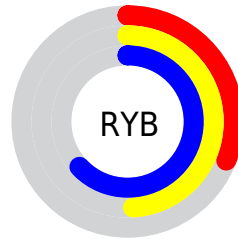
Distribution



Red (31%)

Green (63%)

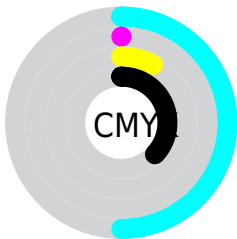
Blue (58%)



Red (31%)

Yellow (49%)

Blue (63%)

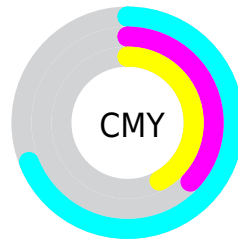


Cyan (50%)

Magenta (0%)

Yellow (8%)

Black (37%)



Cyan (69%)

Magenta (37%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.1455, 28.9537, 32.0779 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 21.1455, 28.9537, 32.0779 by changing the saturation by 10% instead.

■ 21.1455, 28.9537,
32.0779

■ 21.1455, 28.9537,
32.0779

250.7678,
296.9964, 325.9776

■ 13.3435, 19.0458,
21.1557

■ 44.8190, 58.0035,
64.0325

■ 7.7441, 11.7034,
13.0455

■ 61.4212, 77.9142,
85.9020

■ 3.9821, 6.5420,
7.3288

■ 81.6875, 101.9280,
112.2577

■ 1.6920, 3.1774,
3.5870

■ 105.9832,
130.4292, 143.5181

■ 0.4513, 1.2250,
1.4016

■ 134.6738,
163.8022, 180.1017

■ 0.0000, 0.0820,
0.1430

168.1245,

■ 0.0000, 0.0000,

202.4315, 222.4272

0.0000

206.7007,
246.7015, 270.9130

■ 21.1455, 28.9537,
32.0779

■ 21.1455, 28.9537,
32.0779

■ 19.7505, 28.2586,
30.9600

■ 22.8684, 29.8188,
33.2365

■ 18.6578, 27.7181,
29.8795

■ 24.9378, 30.8612,
34.4350

■ 17.8419, 27.3197,
28.8357

■ 27.3737, 32.0920,
35.6750

■ 17.2717, 27.0475,
27.8270

■ 30.1938, 33.5203,
36.9576

■ 16.8744, 26.8639,
26.8499

■ 33.4147, 35.1548,
38.2835

■ 16.8743, 26.8639,
26.8498

■ 37.0521, 37.0034,
39.6539

■ 41.1208, 39.0737,
41.0694

■ 45.6347, 41.3731,
42.5308

■ 50.6074, 43.9083,
44.0391

Harmonies

Analogous

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



21.8530, 28.9537, 22.9768



21.1455, 28.9537, 32.0779



22.0178, 28.9537, 43.1300

Triad

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



21.1455, 28.9537, 32.0779



31.3189, 28.9537, 51.6834



30.9583, 28.9537, 17.0702

Complementary

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



21.1455, 28.9537, 32.0779



19.3426, 14.0019, 12.0400

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.



33.8692, 28.9537, 22.2152



21.1455, 28.9537, 32.0779



34.0898, 28.9537, 41.9687

Square

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



21.1455, 28.9537, 32.0779



27.7118, 28.9537, 55.8766



35.0610, 28.9537, 30.9798



27.3284, 28.9537, 15.5319

Rectangle

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



21.1455, 28.9537, 32.0779



23.4262, 28.9537, 49.8153



35.0610, 28.9537, 30.9798



32.0641, 28.9537, 18.3702

Sweetspot

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



21.1463, 28.9548, 32.0786



52.0237, 59.4434, 65.8601



18.5676, 28.0666, 12.0286



11.1920, 12.9267, 14.3438



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.



21.1463, 28.9548, 32.0786



35.6029, 51.1798, 55.9815



18.0875, 21.1110, 36.3806



6.7755, 7.4910, 8.2525



13.1579, 20.9311, 20.9864



0.2465, 0.3788, 0.4346

Inverse Universe

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



19.3426, 14.0019, 12.0400



31.9655, 20.8549, 15.4453



21.1691, 18.4996, 10.0449



6.6749, 6.6629, 7.1389



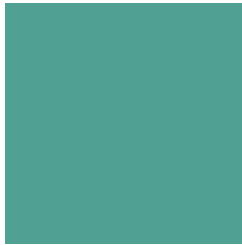
11.4498, 5.8845, 1.3539



0.2155, 0.1095, 0.0812

Previews

White Background



This preview shows how the XYZ color 21.1455, 28.9537, 32.0779 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 21.1455, 28.9537, 32.0779 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

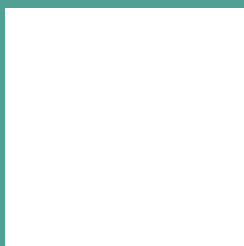
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.1455, 28.9537, 32.0779

Background



This preview shows how black text looks on a background with the XYZ color 21.1455, 28.9537, 32.0779.



This preview shows how white text looks on a background with the XYZ color 21.1455, 28.9537,

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

21.1455, 28.9537, 32.0779

Protanopia

27.3633, 28.5989, 28.5040

Deuteranopia

29.0154, 28.4522, 33.2407



Tritanopia

23.1489, 29.0048, 41.9145

Trichromacy



Original Color

21.1455, 28.9537, 32.0779

Protanomaly

24.2463, 28.1257, 29.7421

Deuteranomaly

25.1482, 28.0489, 32.9427

Tritanomaly

22.3160, 28.9117, 38.1226

Monochromacy



Original Color

21.1455, 28.9537, 32.0779

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

21.7037, 25.4554, 28.1956

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.1455, 28.9537, 32.0779 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(80, 160, 147)` looks like.

```
.text, #text, p{  
    color:rgb(80, 160, 147)  
}
```

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(80, 160, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 160, 147) }
```

Border

The CSS property to change the border of an element to XYZ 21.1455, 28.9537, 32.0779 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(80, 160, 147) }
```


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

```
.border{ border-color:rgb(80, 160, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 160, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 160, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 160, 147);  
box-shadow:4px 4px 4px 4px rgb(80, 160,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 21.1455, 28.9537, 32.0779 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 160, 147) }
```

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

```
.background{ background-color: rgb(80, 160,  
147) }
```

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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