

Converting Colors

XYZ(21.7357, 29.4237, 32.2705)

Have a look what the booklet for
XYZ(21.7357, 29.4237, 32.2705)
contains.

XYZ(21.7576, 29.5276, 32.1564)	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(21.7576, 29.5276,
32.1564)**

Conversions

Conversions Part 1

Format	Color
Hex	55A193
RGB	85, 161, 147
RGB Percent	33%, 63%, 58%
CMY	0.6667, 0.3686, 0.4235
CMYK	0.47, 0.00, 0.09, 0.37
HSL	169°, 31%, 48%
HSV	169°, 47%, 63%
XYZ	21.7576, 29.5276, 32.1564
YIQ	136.6800, -40.8020, -20.4660

Conversions

Conversions Part 2

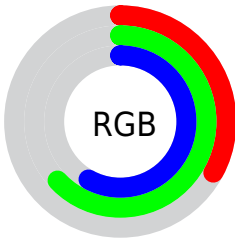
Format	Color
RYB	85, 127, 161
Decimal	5611923
CIELab	61.24, -27.09, -0.01
CIELCh	61, 27.087, 180.017
Yxy	29.5276, 0.2608, 0.3539
Android (android.graphics.Color)	4283802003 (0xFF55A193)
YUV	136.6800, 5.0878, -45.3234
Hunter-Lab	54.3393, -23.6219, 2.9514

Details

The XYZ color **21.7576, 29.5276, 32.1564** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **20.1995, 14.9757, 13.6313**, and the grayscale version is **23.6502, 24.8819, 27.0964**.

A 20% lighter version of the original color is **45.7459, 58.8177, 64.2002**, and **8.0783, 12.0334, 13.2062** is the 20% darker color. If you saturate the color by 10%, you get **20.2294, 28.7671, 30.8860**, and if you desaturate by 10%, it is **23.6261, 30.4643, 33.4754**.

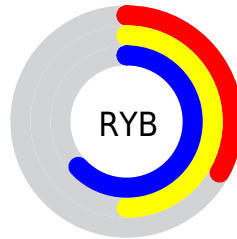
Distribution



Red (33%)

Green (63%)

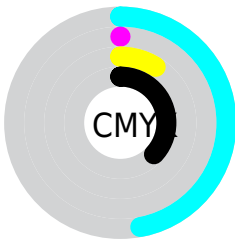
Blue (58%)



Red (33%)

Yellow (50%)

Blue (63%)

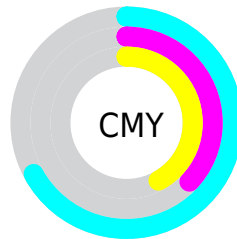


Cyan (47%)

Magenta (0%)

Yellow (9%)

Black (37%)



Cyan (67%)

Magenta (37%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.7576, 29.5276, 32.1564 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 21.7576, 29.5276, 32.1564 by changing the saturation by 10% instead.

■ 21.7576, 29.5276,
32.1564

■ 21.7576, 29.5276,
32.1564

253.9340,
299.6962, 326.3457

■ 13.7945, 19.4803,
21.2152

■ 45.8269, 58.9143,
64.1569

■ 8.0586, 12.0178,
13.0886

■ 62.6638, 79.0225,
86.0534

■ 4.1846, 6.7558,
7.3581

■ 83.1893, 103.2531,
112.4386

■ 1.8071, 3.3099,
3.6053

■ 107.7688,
131.9905, 143.7311

■ 0.5219, 1.2956,
1.4114

136.7677,
165.6192, 180.3496

■ 0.0000, 0.1378,
0.1506

170.5513,

■ 0.0000, 0.0000,

204.5234, 222.7125

0.0000

209.4849,
249.0876, 271.2384

■ 21.7576, 29.5276,
32.1564

■ 21.7576, 29.5276,
32.1564

■ 20.2294, 28.7671,
30.8860

■ 23.6261, 30.4643,
33.4754

■ 19.0160, 28.1674,
29.6608

■ 25.8531, 31.5844,
34.8420

■ 18.0925, 27.7165,
28.4800

■ 28.4584, 32.8989,
36.2582

■ 17.4290, 27.3990,
27.3420

■ 31.4599, 34.4169,
37.7249

■ 16.9782, 27.1904,
26.2444

■ 34.8741, 36.1469,
39.2432

■ 16.8653, 27.1387,
25.9435

■ 38.7166, 38.0970,
40.8140

■ 43.0021, 40.2747,
42.4382

■ 47.7449, 42.6875,
44.1167

■ 52.9584, 45.3422,
45.8503

Harmonies

Analogous

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



22.5404, 29.5276, 23.3098



21.7576, 29.5276, 32.1564



22.5421, 29.5276, 42.9964

Triad

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



21.7576, 29.5276, 32.1564



31.6330, 29.5276, 52.3032



31.6292, 29.5276, 17.9765

Complementary

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



21.7576, 29.5276, 32.1564



20.1995, 14.9757, 13.6313

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.



34.4236, 29.5276, 23.3017



21.7576, 29.5276, 32.1564



34.4260, 29.5276, 42.9840

Square

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



21.7576, 29.5276, 32.1564



28.0671, 29.5276, 56.0276



35.4871, 29.5276, 32.1447



28.0631, 29.5276, 16.2530

Rectangle

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



21.7576, 29.5276, 32.1564



23.8899, 29.5276, 49.6458



35.4871, 29.5276, 32.1447



32.7005, 29.5276, 19.3402

Sweetspot

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



21.7584, 29.5288, 32.1571



52.4709, 59.6780, 65.6960



19.6631, 28.8675, 13.1304



11.2780, 12.9722, 14.2923



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.



21.7584, 29.5288, 32.1571



36.0179, 51.4133, 55.1189



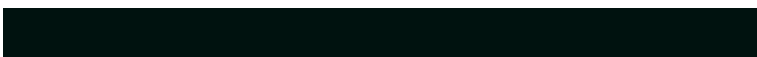
19.2974, 22.7399, 37.0917



7.2199, 7.9888, 8.7696



13.4831, 21.6796, 20.7922



0.2970, 0.4610, 0.5091

Inverse Universe

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



20.1995, 14.9757, 13.6313



32.8891, 22.0345, 17.8112



21.6801, 18.9168, 11.1034



7.1246, 7.1063, 7.6426



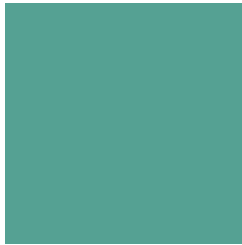
11.9341, 6.1297, 1.5776



0.2647, 0.1344, 0.1064

Previews

White Background



This preview shows how the XYZ color 21.7576, 29.5276, 32.1564 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 21.7576, 29.5276, 32.1564 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

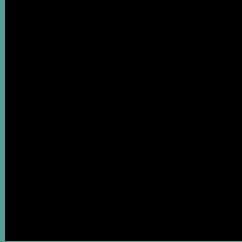
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.7576, 29.5276, 32.1564

Background



This preview shows how black text looks on a background with the XYZ color 21.7576, 29.5276, 32.1564.

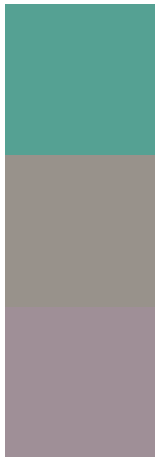


This preview shows how white text looks on a background with the XYZ color 21.7576, 29.5276,

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

21.7576, 29.5276, 32.1564

Protanopia

27.8880, 29.0972, 28.5726

Deuteranopia

29.7065, 29.2502, 33.3583



Tritanopia

23.8962, 29.6313, 42.4902

Trichromacy



Original Color

21.7576, 29.5276, 32.1564

Protanomaly

24.8512, 28.6754, 29.8163

Deuteranomaly

25.9271, 28.9202, 33.0698

Tritanomaly

23.0395, 29.5288, 38.6677

Monochromacy



Original Color

21.7576, 29.5276, 32.1564

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

22.5578, 26.3324, 29.0930

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.7576, 29.5276, 32.1564 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(85, 161, 147)` looks like.

```
.text, #text, p{  
    color:rgb(85, 161, 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(85, 161, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 161, 147) }
```

Border

The CSS property to change the border of an element to XYZ 21.7576, 29.5276, 32.1564 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(85, 161, 147) }
```


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

```
.border{ border-color:rgb(85, 161, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 161, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 161, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 161, 147);  
box-shadow:4px 4px 4px 4px rgb(85, 161,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 21.7576, 29.5276, 32.1564 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 161, 147) }
```

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

```
.background{ background-color: rgb(85, 161,  
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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