

Converting Colors

XYZ(27.8855, 32.6102, 43.2783)

Have a look what the booklet for
XYZ(27.8855, 32.6102, 43.2783)
contains.

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Color

**XYZ(28.0167, 32.7740,
43.3775)**

Conversions

Conversions Part 1

Format	Color
Hex	78A2AB
RGB	120, 162, 171
RGB Percent	47%, 64%, 67%
CMY	0.5294, 0.3647, 0.3294
CMYK	0.30, 0.05, 0.00, 0.33
HSL	191°, 23%, 57%
HSV	191°, 30%, 67%
XYZ	28.0167, 32.7740, 43.3775
YIQ	150.4680, -27.9210, -6.1050

Conversions

Conversions Part 2

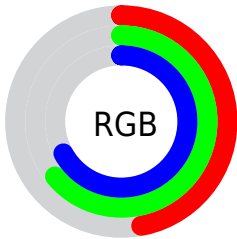
Format	Color
R _Y B	120, 143, 171
Decimal	7905963
CIE Lab	63.98, -11.97, -9.27
CIE LCh	64, 15.142, 217.753
Yxy	32.7740, 0.2690, 0.3146
Android (android.graphics.Color)	4286096043 (0xFF78A2AB)
YUV	150.4680, 10.1223, -26.7204
Hunter-Lab	57.2486, -12.8295, -4.8503

Details

The XYZ color **28.0167, 32.7740, 43.3775** is a light color, and the websafe version is hex **669999**. A complement of this color would be **28.0354, 25.7146, 21.2557**, and the grayscale version is **29.1558, 30.6742, 33.4042**.

A 20% lighter version of the original color is **55.9959, 64.1154, 81.3757**, and **11.3599, 13.7490, 19.5078** is the 20% darker color. If you saturate the color by 10%, you get **25.3288, 30.6096, 43.1019**, and if you desaturate by 10%, it is **31.1428, 35.1849, 43.6786**.

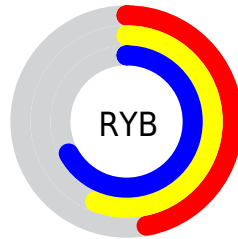
Distribution



Red (47%)

Green (64%)

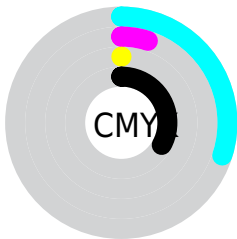
Blue (67%)



Red (47%)

Yellow (56%)

Blue (67%)

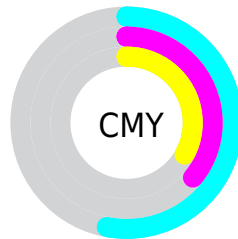


Cyan (30%)

Magenta (5%)

Yellow (0%)

Black (33%)



Cyan (53%)

Magenta (36%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.0167, 32.7740, 43.3775 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 28.0167, 32.7740, 43.3775 by changing the saturation by 10% instead.

■ 28.0167, 32.7740,
43.3775

■ 28.0167, 32.7740,
43.3775

284.6253,
314.6301, 376.1287

■ 18.4788, 21.9534,
29.8478

■ 55.9196, 64.0225,
81.5727

■ 11.3960, 13.8226,
19.4720

■ 75.0152, 85.2192,
107.0753

■ 6.4031, 7.9974,
11.8316

■ 98.0274, 110.6434,
137.4059

■ 3.1347, 4.0933,
6.5080

125.3217,
140.6794, 172.9831

■ 1.2254, 1.7259,
3.0826

157.2632,
175.7117, 214.2254

■ 0.1263, 0.4403,
1.1370

194.2174,

■ 0.0000, 0.0000,

216.1247, 261.5515

0.0000

236.5497,
262.3027, 315.3797

■ 28.0167, 32.7740,
43.3775

■ 28.0167, 32.7740,
43.3775

■ 25.3288, 30.6096,
43.1019

■ 31.1428, 35.1849,
43.6786

■ 23.0536, 28.6759,
42.8486

■ 34.7252, 37.8492,
44.0041

■ 21.1673, 26.9614,
42.6171

■ 38.7845, 40.7786,
44.3556

■ 19.6425, 25.4518,
42.4061

■ 43.3389, 43.9825,
44.7339

■ 18.4481, 24.1309,
42.2141

■ 48.4061, 47.4702,
45.1401

■ 17.5475, 22.9798,
42.0394

■ 54.0025, 51.2503,
45.5747

■ 16.8623, 21.9578,
41.8782

■ 60.1439, 55.3311,
46.0387

■ 16.8508, 21.9402,
41.8754

■ 66.1791, 59.3769,
46.5015

■ 66.8221, 60.6629,
46.7159

Harmonies

Analogous

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



27.2580, 32.7740, 37.2948



28.0167, 32.7740, 43.3775



29.6224, 32.7740, 47.7091

Triad

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



28.0167, 32.7740, 43.3775



35.1064, 32.7740, 40.3235



30.6002, 32.7740, 25.2586

Complementary

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



28.0167, 32.7740, 43.3775



28.0354, 25.7146, 21.2557

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.



32.7307, 32.7740, 25.8732



28.0167, 32.7740, 43.3775



35.3975, 32.7740, 34.1228

Square

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



28.0167, 32.7740, 43.3775



33.7320, 32.7740, 45.8102



34.5101, 32.7740, 28.9609



28.7045, 32.7740, 27.1743

Rectangle

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



28.0167, 32.7740, 43.3775



30.9901, 32.7740, 48.7678



34.5101, 32.7740, 28.9609



31.3119, 32.7740, 25.1805

Sweetspot

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



28.0177, 32.7753, 43.3783



62.6467, 68.1189, 78.8483



26.2385, 34.6912, 25.9088



13.7540, 15.0323, 17.5643



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



28.0177, 32.7753, 43.3783



46.8144, 56.0096, 77.3454



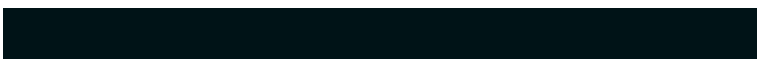
24.0427, 24.8253, 42.0533



8.1143, 8.8280, 10.2290



12.7372, 16.6082, 31.5789



0.3854, 0.5241, 0.8888

Inverse Universe

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



30.0334, 24.7002, 37.3686



51.1044, 39.3894, 64.4286



31.7410, 33.1258, 22.4909



8.2755, 8.1235, 9.7617



16.2928, 7.9797, 19.7190



0.4689, 0.2282, 0.6310

Previews

White Background



This preview shows how the XYZ color 28.0167, 32.7740, 43.3775 looks on a white background.

Color Contrast Check

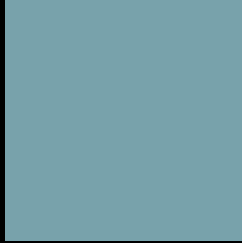
Large Text (above 18pt) WCAG AA × Fail

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 28.0167, 32.7740, 43.3775 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 ✓ Pass

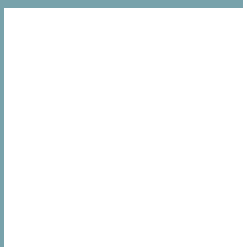
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.0167, 32.7740, 43.3775

Background



This preview shows how black text looks on a background with the XYZ color 28.0167, 32.7740, 43.3775.



This preview shows how white text looks on a background with the XYZ color 28.0167, 32.7740,

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

28.0167, 32.7740, 43.3775

Protanopia

31.7650, 32.7344, 40.7206

Deuteranopia

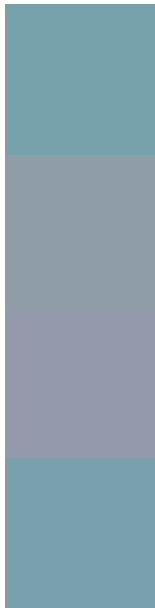
33.1471, 32.4069, 44.0433



Tritanopia

28.2700, 32.6107, 44.8489

Trichromacy



Original Color

28.0167, 32.7740, 43.3775

Protanomaly

30.2802, 32.6919, 41.7600

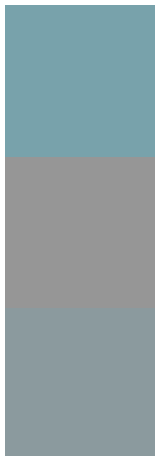
Deuteranomaly

30.8561, 32.2008, 43.6188

Tritanomaly

28.1729, 32.5718, 44.3373

Monochromacy



Original Color

28.0167, 32.7740, 43.3775

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

28.3746, 31.0688, 36.8491

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.0167, 32.7740, 43.3775 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(120, 162, 171)` looks like.

```
.text, #text, p{  
    color:rgb(120, 162, 171)  
}
```

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(120, 162, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 162, 171) }
```

Border

The CSS property to change the border of an element to XYZ 28.0167, 32.7740, 43.3775 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(120, 162, 171) }
```


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

```
.border{ border-color:rgb(120, 162, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 162, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(120, 162, 171); -webkit-box-shadow:4px 4px 4px 4px rgb(120, 162, 171); box-shadow:4px 4px 4px 4px rgb(120, 162, 171) }
```

Background

The CSS property to change the background color of an element to XYZ 28.0167, 32.7740, 43.3775 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 162, 171) }
```

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

```
.background{ background-color: rgb(120,  
162, 171) }
```

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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