

Converting Colors

XYZ(29.4660, 32.2505, 42.7021)

Have a look what the booklet for
XYZ(29.4660, 32.2505, 42.7021)
contains.

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Color

**XYZ(29.4660, 32.2505,
42.7021)**

Conversions

Conversions Part 1

Format	Color
Hex	889DAA
RGB	136, 157, 170
RGB Percent	53%, 62%, 67%
CMY	0.4667, 0.3843, 0.3333
CMYK	0.20, 0.08, 0.00, 0.33
HSL	203°, 17%, 60%
HSV	203°, 20%, 67%
XYZ	29.4660, 32.2505, 42.7021
YIQ	152.2030, -16.6890, -0.4090

Conversions

Conversions Part 2

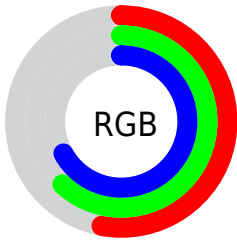
Format	Color
RYB	136, 149, 170
Decimal	8953258
CIELab	63.55, -4.48, -9.24
CIELCh	64, 10.272, 244.112
Yxy	32.2505, 0.2822, 0.3089
Android (android.graphics.Color)	4287143338 (0xFF889DAA)
YUV	152.2030, 8.7739, -14.2100
Hunter-Lab	56.7895, -6.7646, -4.8296

Details

The XYZ color **29.4660, 32.2505, 42.7021** is a light color, and the websafe version is hex **999999**. A complement of this color would be **31.7691, 31.8184, 27.7603**, and the grayscale version is **29.9019, 31.4591, 34.2590**.

A 20% lighter version of the original color is **58.3693, 63.4704, 80.4088**, and **12.2618, 13.5945, 19.1173** is the 20% darker color. If you saturate the color by 10%, you get **25.8508, 28.7985, 42.2269**, and if you desaturate by 10%, it is **33.5796, 36.0479, 43.2188**.

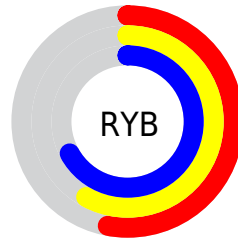
Distribution



Red (53%)

Green (62%)

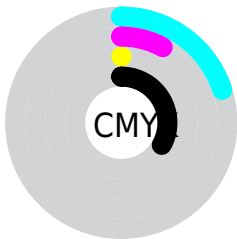
Blue (67%)



Red (53%)

Yellow (58%)

Blue (67%)

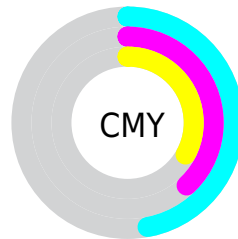


Cyan (20%)

Magenta (8%)

Yellow (0%)

Black (33%)



Cyan (47%)

Magenta (38%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.4660, 32.2505, 42.7021 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 29.4660, 32.2505, 42.7021 by changing the saturation by 10% instead.

■ 29.4660, 32.2505,
42.7021

■ 29.4660, 32.2505,
42.7021

291.3621,
312.2588, 373.2704

■ 19.5797, 21.5529,
29.3218

■ 58.2091, 63.2036,
80.5427

■ 12.1964, 13.5288,
19.0767

■ 77.7966, 84.2279,
105.8400

■ 6.9507, 7.7936,
11.5483

■ 101.3485,
109.4632, 135.9467

■ 3.4773, 3.9632,
6.3182

129.2302,
139.2939, 171.2814

■ 1.4109, 1.6530,
2.9676

161.8071,
174.1044, 212.2625

■ 0.2640, 0.3929,
1.0781

199.4444,

■ 0.0000, 0.0000,

214.2791, 259.3087

0.0000

242.5076,
260.2025, 312.8385

■ 29.4660, 32.2505,
42.7021

■ 29.4660, 32.2505,
42.7021

■ 25.8508, 28.7985,
42.2269

■ 33.5796, 36.0479,
43.2188

■ 22.7096, 25.6754,
41.7896

■ 38.2087, 40.1985,
43.7760

■ 20.0201, 22.8694,
41.3897

■ 43.3734, 44.7145,
44.3754

■ 17.7571, 20.3660,
41.0258

■ 49.0915, 49.6066,
45.0183

■ 15.8927, 18.1494,
40.6962

■ 55.3801, 54.8846,
45.7056

■ 14.3951, 16.2017,
40.3992

■ 62.2557, 60.5583,
46.4384

■ 13.2274, 14.5023,
40.1327

■ 69.7328, 66.6364,
47.2175

■ 12.3086, 13.0080,
39.8927

■ 71.2949, 69.7606,
47.7382

■ 12.3086, 13.0079,
39.8927

■ 72.9221, 73.0149,
48.2806

Harmonies

Analogous

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



28.4284, 32.2505, 39.7283



29.4660, 32.2505, 42.7021



30.8511, 32.2505, 43.5870

Triad

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



29.4660, 32.2505, 42.7021



33.4838, 32.2505, 34.5526



29.1340, 32.2505, 28.9798

Complementary

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



29.4660, 32.2505, 42.7021



31.7691, 31.8184, 27.7603

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.



30.4560, 32.2505, 27.8192



29.4660, 32.2505, 42.7021



32.9910, 32.2505, 30.8740

Square

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



29.4660, 32.2505, 42.7021



33.1989, 32.2505, 38.6739



31.8717, 32.2505, 28.4850



28.2410, 32.2505, 31.7820

Rectangle

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



29.4660, 32.2505, 42.7021



31.7923, 32.2505, 42.8200



31.8717, 32.2505, 28.4850



29.5415, 32.2505, 28.3952

Sweetspot

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



29.4670, 32.2518, 42.7028



64.0803, 68.2568, 78.7994



29.9109, 36.1372, 33.6103



14.1747, 15.1176, 17.5586



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.



29.4670, 32.2518, 42.7028



50.4449, 55.6621, 77.0870



26.8658, 27.0496, 41.8358



7.5031, 8.0430, 9.5753



9.1093, 9.6788, 29.3636



0.2687, 0.3297, 0.7301

Inverse Universe

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



31.4683, 28.5894, 35.7596



54.7941, 47.9759, 61.9368



34.5615, 37.4031, 28.6911



7.7185, 7.6173, 8.8349



14.0986, 7.0481, 10.5965



0.3668, 0.1810, 0.3830

Previews

White Background



This preview shows how the XYZ color 29.4660, 32.2505, 42.7021 looks on a white background.

Color Contrast Check

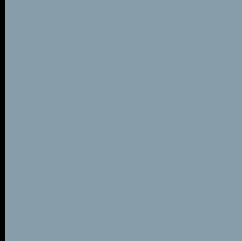
Large Text (above 18pt) WCAG AA × Fail

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 29.4660, 32.2505, 42.7021 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

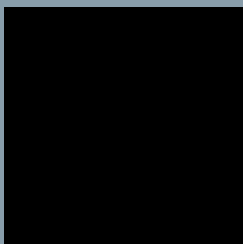
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

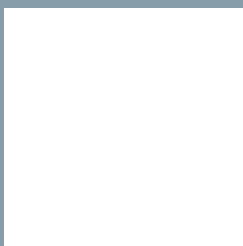
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.4660, 32.2505, 42.7021

Background



This preview shows how black text looks on a background with the XYZ color 29.4660, 32.2505, 42.7021.



This preview shows how white text looks on a background with the XYZ color 29.4660, 32.2505,

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

29.4660, 32.2505, 42.7021

Protanopia

31.3152, 32.2479, 41.1332

Deuteranopia

32.8499, 32.2648, 43.5261



Tritanopia

29.4660, 32.2505, 42.7021

Trichromacy



Original Color

29.4660, 32.2505, 42.7021

Protanomaly

30.4775, 32.0493, 41.6256

Deuteranomaly

31.5044, 32.3020, 43.1025

Tritanomaly

29.4660, 32.2505, 42.7021

Monochromacy



Original Color

29.4660, 32.2505, 42.7021

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

29.6677, 31.7254, 37.3608

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.4660, 32.2505, 42.7021 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(136, 157, 170)` looks like.

```
.text, #text, p{  
    color:rgb(136, 157, 170)  
}
```

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(136, 157, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 157, 170) }
```

Border

The CSS property to change the border of an element to XYZ 29.4660, 32.2505, 42.7021 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(136, 157, 170) }
```


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

```
.border{ border-color:rgb(136, 157, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 157, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 157, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 157, 170);  
box-shadow:4px 4px 4px 4px rgb(136, 157,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 29.4660, 32.2505, 42.7021 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 157, 170) }
```

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

```
.background{ background-color: rgb(136,  
157, 170) }
```

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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