

# Converting Colors

XYZ(28.5012, 32.2486, 43.2505)

Have a look what the booklet for  
XYZ(28.5012, 32.2486, 43.2505)  
contains.

<b>XYZ(28.5012, 32.2486, 43.2505)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(28.5012, 32.2486,  
43.2505)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7F9FAB
RGB	127, 159, 171
RGB Percent	50%, 62%, 67%
CMY	0.5020, 0.3765, 0.3294
CMYK	0.26, 0.07, 0.00, 0.33
HSL	196°, 21%, 58%
HSV	196°, 26%, 67%
XYZ	28.5012, 32.2486, 43.2505
YIQ	150.8000, -22.9240, -3.0520

# Conversions

## Conversions Part 2

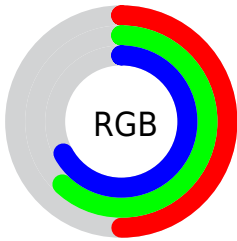
<b>Format</b>	<b>Color</b>
<b>RYB</b>	127, 146, 171
Decimal	8363947
CIELab	63.55, -8.21, -9.87
CIELCh	64, 12.838, 230.230
Yxy	32.2486, 0.2740, 0.3101
Android (android.graphics.Color)	4286554027 (0xFF7F9FAB)
YUV	150.8000, 9.9586, -20.8726
Hunter-Lab	56.7879, -9.7915, -5.4047

# Details

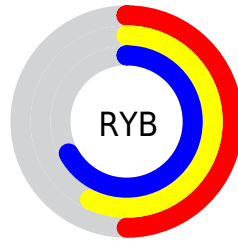
The XYZ color **28.5012, 32.2486, 43.2505** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **29.8583, 28.6555, 24.0367**, and the grayscale version is **29.2965, 30.8222, 33.5654**.

A 20% lighter version of the original color is **56.8301, 63.4079, 81.1952**, and **11.7529, 13.6348, 19.4651** is the 20% darker color. If you saturate the color by 10%, you get **25.3809, 29.4728, 42.8797**, and if you desaturate by 10%, it is **32.0860, 35.3104, 43.6531**.

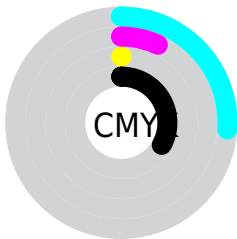
# Distribution



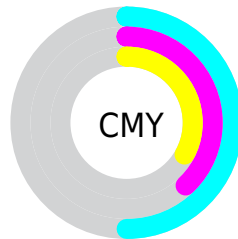
- Red (50%)
- Green (62%)
- Blue (67%)



- Red (50%)
- Yellow (57%)
- Blue (67%)



- Cyan (26%)
- Magenta (7%)
- Yellow (0%)
- Black (33%)



- Cyan (50%)
- Magenta (38%)
- Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 28.5012, 32.2486, 43.2505 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 28.5012, 32.2486, 43.2505 by changing the saturation by 10% instead.



■ 28.5012, 32.2486,  
43.2505

■ 28.5012, 32.2486,  
43.2505

286.8910,  
312.2502, 375.5924

■ 18.8462, 21.5515,  
29.7489

■ 56.6867, 63.2006,  
81.3791

■ 11.6625, 13.5277,  
19.3976

■ 75.9479, 84.2243,  
106.8432

■ 6.5849, 7.7929,  
11.7782

■ 99.1419, 109.4589,  
137.1319

■ 3.2479, 3.9627,  
6.4721

126.6340,  
139.2888, 172.6636

■ 1.2862, 1.6527,  
3.0608

158.7897,  
174.0986, 213.8570

■ 0.1728, 0.3928,  
1.1258

195.9741,

■ 0.0000, 0.0000,

214.2724, 261.1306

0.0000

238.5528,  
260.1948, 314.9028

■ 28.5012, 32.2486,  
43.2505

■ 28.5012, 32.2486,  
43.2505

■ 25.3809, 29.4728,  
42.8797

■ 32.0860, 35.3104,  
43.6531

■ 22.6999, 26.9671,  
42.5374

■ 36.1529, 38.6653,  
44.0863

■ 20.4353, 24.7199,  
42.2230

■ 40.7223, 42.3251,  
44.5519

■ 18.5605, 22.7172,  
41.9352

■ 45.8123, 46.2997,  
45.0508

■ 17.0458, 20.9429,  
41.6726

■ 51.4403, 50.5983,  
45.5839

■ 15.8569, 19.3791,  
41.4334

■ 57.6227, 55.2300,  
46.1520

■ 14.9496, 18.0022,  
41.2155

■ 64.3752, 60.2033,  
46.7561

■ 14.6052, 17.4491,  
41.1269

■ 68.3999, 63.8185,  
47.2417

■ 69.4702, 65.9592,  
47.5985

# Harmonies

## Analogous

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



27.5329, 32.2486, 38.6345



28.5012, 32.2486, 43.2505



30.0708, 32.2486, 45.7546

# Triad

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



28.5012, 32.2486, 43.2505



34.1711, 32.2486, 36.8131



29.4761, 32.2486, 26.6500

# Complementary

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



28.5012, 32.2486, 43.2505



29.8583, 28.6555, 24.0367

# 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.



31.2393, 32.2486, 26.2647



28.5012, 32.2486, 43.2505



33.9967, 32.2486, 31.8127

# Square

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



28.5012, 32.2486, 43.2505



33.3745, 32.2486, 41.8062



32.9070, 32.2486, 28.0665



28.0804, 32.2486, 29.1757



# Rectangle

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



28.5012, 32.2486, 43.2505



31.2669, 32.2486, 45.7381



32.9070, 32.2486, 28.0665



30.0439, 32.2486, 26.2761

# Sweetspot

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



28.5022, 32.2499, 43.2512



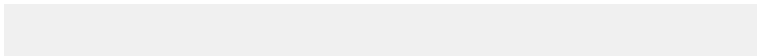
62.9101, 67.7488, 78.7630



27.9566, 35.4947, 29.7024



13.7840, 14.9071, 17.5386



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.



28.5022, 32.2499, 43.2512



47.6948, 54.8032, 77.0662



25.0873, 25.4202, 42.1130



8.0489, 8.6971, 10.2072



11.0554, 13.2448, 31.0183



0.3499, 0.4531, 0.8770



# Inverse Universe

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



30.6427, 26.3406, 36.2716



52.2731, 42.6299, 62.0337



33.3242, 35.5875, 25.1920



8.2425, 8.1102, 9.5876



15.4439, 7.6401, 15.2490



0.4510, 0.2211, 0.5367



# Previews

## White Background



This preview shows how the XYZ color 28.5012, 32.2486, 43.2505 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 28.5012, 32.2486, 43.2505 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

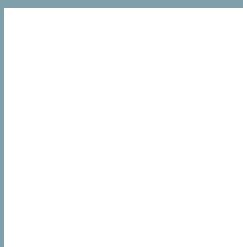
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 28.5012, 32.2486, 43.2505**

## **Background**



This preview shows how black text looks on a background with the XYZ color 28.5012, 32.2486, 43.2505.



This preview shows how white text looks on a background with the XYZ color 28.5012, 32.2486,



# 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

28.5012, 32.2486, 43.2505

### Protanopia

31.1522, 31.9219, 41.0789

### Deuteranopia

32.5883, 31.8830, 43.9716



## Tritanopia

28.5969, 32.2869, 43.7545

# Trichromacy



## Original Color

28.5012, 32.2486, 43.2505

## Protanomaly

30.1169, 32.1095, 41.6562

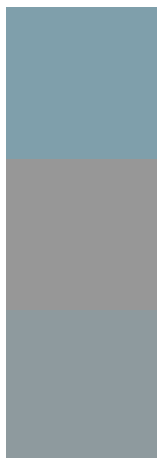
## Deuteranomaly

30.8702, 31.9641, 43.5724

## Tritanomaly

28.5969, 32.2869, 43.7545

# Monochromacy



## Original Color

28.5012, 32.2486, 43.2505

## Achromatopsia

29.4150, 30.9469, 33.7012

## Achromatomaly

28.8825, 31.3306, 36.8729

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 28.5012, 32.2486, 43.2505 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(127, 159, 171)` looks like.

```
.text, #text, p{  
    color:rgb(127, 159, 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(127, 159, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 159, 171) }
```

## Border

The CSS property to change the border of an element to XYZ 28.5012, 32.2486, 43.2505 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(127, 159, 171) }
```



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

```
.border{ border-color:rgb(127, 159, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 159, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 159, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 159, 171);  
box-shadow:4px 4px 4px 4px rgb(127, 159,  
171) }
```

# Background

The CSS property to change the background color of an element to XYZ 28.5012, 32.2486, 43.2505 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 159, 171) }
```

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

```
.background{ background-color: rgb(127,  
159, 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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