

Converting Colors

XYZ(28.1801, 29.9951, 45.2288)

Have a look what the booklet for
XYZ(28.1801, 29.9951, 45.2288)
contains.

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Color

**XYZ(28.2632, 30.0931,
45.3932)**

Conversions

Conversions Part 1

Format	Color
Hex	8397B0
RGB	131, 151, 176
RGB Percent	51%, 59%, 69%
CMY	0.4863, 0.4078, 0.3098
CMYK	0.26, 0.14, 0.00, 0.31
HSL	213°, 22%, 60%
HSV	213°, 26%, 69%
XYZ	28.2632, 30.0931, 45.3932
YIQ	147.8700, -19.9450, 3.5350

Conversions

Conversions Part 2

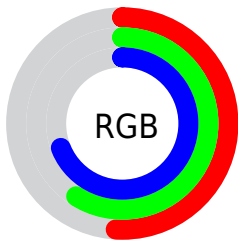
Format	Color
RYB	131, 145, 176
Decimal	8624048
CIELab	61.73, -1.33, -15.38
CIElCh	62, 15.440, 265.057
Yxy	30.0931, 0.2724, 0.2901
Android (android.graphics.Color)	4286814128 (0xFF8397B0)
YUV	147.8700, 13.8681, -14.7950
Hunter-Lab	54.8572, -4.0343, -10.6612

Details

The XYZ color **28.2632, 30.0931, 45.3932** is a light color, and the websafe version is hex **999999**. A complement of this color would be **33.8902, 34.6461, 26.3748**, and the grayscale version is **28.0449, 29.5054, 32.1314**.

A 20% lighter version of the original color is **56.4044, 59.8031, 84.9143**, and **11.4406, 12.2499, 20.5004** is the 20% darker color. If you saturate the color by 10%, you get **24.2567, 25.7885, 44.7740**, and if you desaturate by 10%, it is **32.8651, 34.8999, 46.0790**.

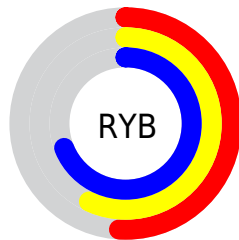
Distribution



Red (51%)

Green (59%)

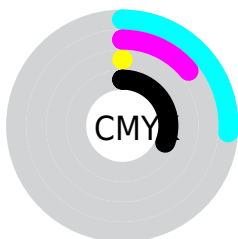
Blue (69%)



Red (51%)

Yellow (57%)

Blue (69%)

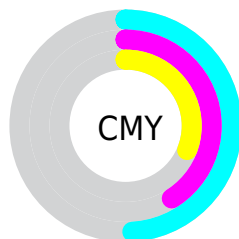


Cyan (26%)

Magenta (14%)

Yellow (0%)

Black (31%)



Cyan (49%)

Magenta (41%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.2632, 30.0931, 45.3932 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 28.2632, 30.0931, 45.3932 by changing the saturation by 10% instead.

■ 28.2632, 30.0931,
45.3932

■ 28.2632, 30.0931,
45.3932

285.7798,
302.3382, 384.5702

■ 18.6656, 19.9093,
31.4220

■ 56.3101, 59.8094,
84.6348

■ 11.5315, 12.3291,
20.6593

■ 75.4901, 80.1106,
110.7424

■ 6.4954, 6.9682,
12.6864

■ 98.5950, 104.5531,
141.7325

■ 3.1921, 3.4422,
7.0848

125.9901,
133.5212, 178.0237

■ 1.2562, 1.3667,
3.4359

158.0408,
167.3994, 220.0345

■ 0.1500, 0.1920,
1.3213

195.1124,

■ 0.0000, 0.0000,

206.5720, 268.1835

0.0791

237.5703,
251.4235, 322.8892

■ 0.0000, 0.0000,
0.0000

■ 28.2632, 30.0931,
45.3932

■ 28.2632, 30.0931,
45.3932

■ 24.2567, 25.7885,
44.7740

■ 32.8651, 34.8999,
46.0790

■ 20.8163, 21.9640,
44.2171

■ 38.0845, 40.2226,
46.8312

■ 17.9142, 18.6013,
43.7210

■ 43.9455, 46.0787,
47.6527

■ 15.5191, 15.6790,
43.2832

■ 50.4703, 52.4837,
48.5451

■ 13.5957, 13.1738,
42.9010

■ 57.6797, 59.4528,
49.5103

■ 12.1040, 11.0595,
42.5715

■ 65.5938, 67.0000,
50.5499

■ 10.9940, 9.3046,
42.2913

■ 74.2317, 75.1392,
51.6657

■ 10.5771, 8.6157,
42.1803

■ 77.1574, 80.5562,
52.5571

■ 79.9429, 86.1273,
53.4856

Harmonies

Analogous

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



26.3970, 30.0931, 42.9534



28.2632, 30.0931, 45.3932



30.3101, 30.0931, 44.1330

Triad

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



28.2632, 30.0931, 45.3932



32.3363, 30.0931, 28.2004



25.4822, 30.0931, 26.6985

Complementary

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



28.2632, 30.0931, 45.3932



33.8902, 34.6461, 26.3748

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.



26.9604, 30.0931, 23.5409



28.2632, 30.0931, 45.3932



30.9277, 30.0931, 24.3324

Square

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



28.2632, 30.0931, 45.3932



32.7257, 30.0931, 33.7518



28.9447, 30.0931, 22.7293



24.8412, 30.0931, 31.8001

Rectangle

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



28.2632, 30.0931, 45.3932



31.4937, 30.0931, 41.4347



28.9447, 30.0931, 22.7293



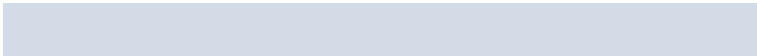
25.8941, 30.0931, 25.3999

Sweetspot

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



28.2641, 30.0943, 45.3939



66.5269, 70.3746, 84.5726



30.8657, 38.2684, 37.1021



14.1075, 14.9364, 18.2838



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



28.2641, 30.0943, 45.3939



46.7917, 49.8071, 81.6428



25.6660, 24.3750, 44.4269



8.3425, 8.8312, 10.7712



7.8171, 6.4346, 30.9670



0.3045, 0.3194, 0.9938

Inverse Universe

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



31.6075, 27.6980, 32.9598



54.0521, 45.0321, 54.5451



37.0226, 41.6599, 27.5635



8.6481, 8.5659, 9.6452



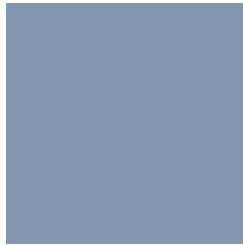
14.1804, 7.1897, 6.1098



0.4757, 0.2380, 0.3477

Previews

White Background



This preview shows how the XYZ color 28.2632, 30.0931, 45.3932 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 28.2632, 30.0931, 45.3932 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

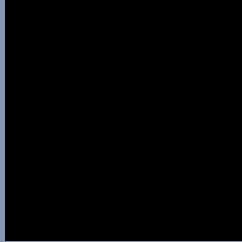
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 28.2632, 30.0931, 45.3932

Background



This preview shows how black text looks on a background with the XYZ color 28.2632, 30.0931, 45.3932.



This preview shows how white text looks on a background with the XYZ color 28.2632, 30.0931,

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

28.2632, 30.0931, 45.3932

Protanopia

29.7315, 30.1651, 44.2998

Deuteranopia

30.4556, 29.8147, 45.7446



Tritanopia

27.2360, 30.1662, 39.9845

Trichromacy



Original Color

28.2632, 30.0931, 45.3932

Protanomaly

29.1328, 30.0790, 44.8278

Deuteranomaly

29.5249, 29.7925, 45.7894

Tritanomaly

27.5956, 30.0669, 41.8852

Monochromacy



Original Color

28.2632, 30.0931, 45.3932

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

28.0743, 29.7143, 36.6035

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.2632, 30.0931, 45.3932 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(131, 151, 176)` looks like.

```
.text, #text, p{  
    color:rgb(131, 151, 176)  
}
```

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(131, 151, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 151, 176) }
```

Border

The CSS property to change the border of an element to XYZ 28.2632, 30.0931, 45.3932 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(131, 151, 176) }
```


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

```
.border{ border-color:rgb(131, 151, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 151, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 151, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 151, 176);  
box-shadow:4px 4px 4px 4px rgb(131, 151,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 28.2632, 30.0931, 45.3932 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 151, 176) }
```

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

```
.background{ background-color: rgb(131,  
151, 176) }
```

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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