

Converting Colors

XYZ(32.5837, 27.8316, 76.2916)

Have a look what the booklet for
XYZ(32.5837, 27.8316, 76.2916)
contains.

XYZ(32.5436, 27.8305, 76.3296)	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(32.5436, 27.8305,
76.3296)**

Conversions

Conversions Part 1

Format	Color
Hex	8886E3
RGB	136, 134, 227
RGB Percent	53%, 53%, 89%
CMY	0.4666, 0.4745, 0.1098
CMYK	0.40, 0.41, 0.00, 0.11
HSL	241°, 62%, 71%
HSV	241°, 41%, 89%
XYZ	32.5436, 27.8305, 76.3296
YIQ	145.2000, -28.6610, 29.3470

Conversions

Conversions Part 2

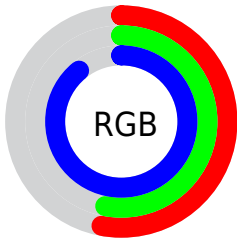
Format	Color
R _Y B	136, 134, 227
Decimal	8947427
CIE Lab	59.74, 23.35, -47.09
CIE LCh	60, 52.560, 296.374
Yxy	27.8305, 0.2381, 0.2036
Android (android.graphics.Color)	4287137507 (0xFF8886E3)
YUV	145.2000, 40.3274, -8.0684
Hunter-Lab	52.7546, 17.7936, -48.8573

Details

The XYZ color **32.5436, 27.8305, 76.3296** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **62.8234, 72.6672, 33.2701**, and the grayscale version is **26.8454, 28.2434, 30.7571**.

A 20% lighter version of the original color is **57.8126, 54.0981, 102.0027**, and **13.9143, 11.0303, 39.9238** is the 20% darker color. If you saturate the color by 10%, you get **26.4952, 20.5446, 75.2426**, and if you desaturate by 10%, it is **40.0149, 36.8504, 77.6774**.

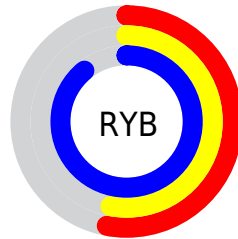
Distribution



Red (53%)

Green (53%)

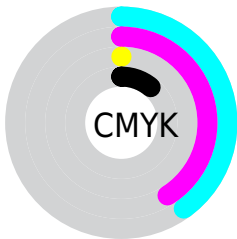
Blue (89%)



Red (53%)

Yellow (53%)

Blue (89%)

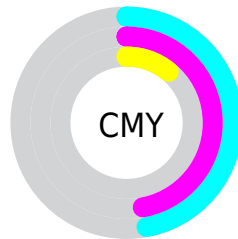


Cyan (40%)

Magenta (41%)

Yellow (0%)

Black (11%)



Cyan (47%)

Magenta (47%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.5436, 27.8305, 76.3296 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 32.5436, 27.8305, 76.3296 by changing the saturation by 10% instead.

■ 32.5436, 27.8305,
76.3296

■ 32.5436, 27.8305,
76.3296

305.2896,
291.6561, 501.8521

■ 21.9346, 18.1979,
56.1945

■ 63.0218, 56.2137,
129.9571

■ 13.9252, 11.0922,
39.9539

■ 83.6217, 75.7331,
164.2865

■ 8.1500, 6.1289,
27.1891

■ 108.2826, 99.3170,
204.1846

■ 4.2437, 2.9236,
17.4816

137.3698,
127.3496, 250.0697

■ 1.8409, 1.0920,
10.4129

171.2488,
160.2155, 302.3605

■ 0.5421, 0.0000,
5.5644

210.2849,

■ 0.0000, 0.0000,

198.2989, 361.4755

2.5176

254.8433,
241.9843, 427.8331

■ 0.0000, 0.0000,
0.8495

■ 0.0000, 0.0000,
0.0000

■ 32.5436, 27.8305,
76.3296

■ 32.5436, 27.8305,
76.3296

■ 26.4952, 20.5446,
75.2426

■ 40.0149, 36.8504,
77.6774

■ 21.7765, 14.8786,
74.3977

■ 48.9881, 47.7025,
79.2991

■ 18.2883, 10.7099,
73.7769

■ 59.5401, 60.4811,
81.2095

■ 15.9161, 7.8967,
73.3589

■ 71.7416, 75.2732,
83.4215

■ 14.5239, 6.2703,
73.1183

■ 85.6593, 92.1608,
85.9476

■ 13.9264, 5.5776,
73.0161

■ 90.8652, 98.3261,
86.8633

Harmonies

Analogous

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



25.6522, 27.8305, 83.4561



32.5436, 27.8305, 76.3296



38.5811, 27.8305, 55.4186

Triad

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



32.5436, 27.8305, 76.3296



34.1771, 27.8305, 8.9047



15.6399, 27.8305, 28.0469

Complementary

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



32.5436, 27.8305, 76.3296



62.8234, 72.6672, 33.2701

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.



17.1757, 27.8305, 14.2203



32.5436, 27.8305, 76.3296



27.2683, 27.8305, 6.4895

Square

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



32.5436, 27.8305, 76.3296



39.6297, 27.8305, 16.7807



21.1724, 27.8305, 7.9206



16.5769, 27.8305, 49.6379

Rectangle

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



32.5436, 27.8305, 76.3296



40.9137, 27.8305, 39.7664



21.1724, 27.8305, 7.9206



15.8764, 27.8305, 22.4739

Sweetspot

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



32.5447, 27.8315, 76.3303



75.8829, 76.7636, 105.4251



50.7443, 64.7091, 82.4891



15.8364, 15.9391, 22.4918



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



32.5447, 27.8315, 76.3303



35.6711, 28.1640, 98.1639



41.6942, 32.5483, 76.7585



13.6114, 13.9019, 18.1103



8.1343, 3.2593, 42.5835



0.6113, 0.2461, 3.1473

Inverse Universe

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



53.7946, 38.8180, 75.8906



66.8492, 44.2865, 97.3782



50.3517, 66.2378, 32.6864



14.9810, 14.6096, 18.1005



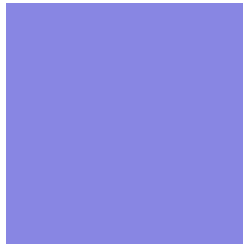
26.1793, 12.6059, 41.4346



1.9389, 0.9333, 3.0845

Previews

White Background



This preview shows how the XYZ color 32.5436, 27.8305, 76.3296 looks on a white background.

Color Contrast Check

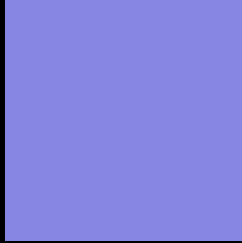
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.5436, 27.8305, 76.3296 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 32.5436, 27.8305, 76.3296

Background



This preview shows how black text looks on a background with the XYZ color 32.5436, 27.8305, 76.3296.



This preview shows how white text looks on a background with the XYZ color 32.5436, 27.8305,

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

32.5436, 27.8305, 76.3296

Protanopia

30.2963, 28.0587, 80.9099

Deuteranopia

28.8194, 28.0921, 75.1375



Tritanopia

24.6808, 27.7109, 37.3056

Trichromacy



Original Color

32.5436, 27.8305, 76.3296

Protanomaly

30.9835, 27.7980, 79.3339

Deuteranomaly

29.9156, 27.7579, 75.7326

Tritanomaly

27.0784, 27.5412, 49.2362

Monochromacy



Original Color

32.5436, 27.8305, 76.3296

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

28.4181, 27.8957, 44.4441

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.5436, 27.8305, 76.3296 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, 134, 227)` looks like.

```
.text, #text, p{  
    color:rgb(136, 134, 227)  
}
```

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, 134, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 134, 227) }
```

Border

The CSS property to change the border of an element to XYZ 32.5436, 27.8305, 76.3296 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, 134, 227) }
```


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

```
.border{ border-color:rgb(136, 134, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 134, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 134, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 134, 227);  
box-shadow:4px 4px 4px 4px rgb(136, 134,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 32.5436, 27.8305, 76.3296 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 134, 227) }
```

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

```
.background{ background-color: rgb(136,  
134, 227) }
```

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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