

Converting Colors

XYZ(32.2077, 40.9957, 22.9905)

Have a look what the booklet for
XYZ(32.2077, 40.9957, 22.9905)
contains.

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Color

**XYZ(32.3333, 41.1298,
23.0643)**

Conversions

Conversions Part 1

Format	Color
Hex	95B675
RGB	149, 182, 117
RGB Percent	58%, 71%, 46%
CMY	0.4157, 0.2863, 0.5412
CMYK	0.18, 0.00, 0.36, 0.29
HSL	90°, 31%, 59%
HSV	90°, 36%, 71%
XYZ	32.3333, 41.1298, 23.0643
YIQ	164.7230, 1.1970, -27.2110

Conversions

Conversions Part 2

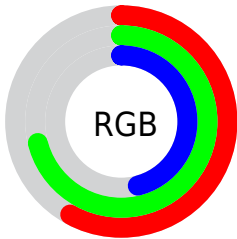
Format	Color
RYB	117, 182, 150
Decimal	9811573
CIELab	70.27, -22.80, 29.51
CIELCh	70, 37.295, 127.688
Yxy	41.1298, 0.3350, 0.4261
Android (android.graphics.Color)	4288001653 (0xFF95B675)
YUV	164.7230, -23.5274, -13.7891
Hunter-Lab	64.1325, -22.2387, 23.5700

Details

The XYZ color **32.3333, 41.1298, 23.0643** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **27.3841, 22.5851, 47.1742**, and the grayscale version is **35.7411, 37.6024, 40.9490**.

A 20% lighter version of the original color is **62.7321, 76.8887, 49.5649**, and **13.8234, 18.6593, 8.3419** is the 20% darker color. If you saturate the color by 10%, you get **29.7462, 39.9092, 17.8901**, and if you desaturate by 10%, it is **35.2643, 42.5062, 29.3423**.

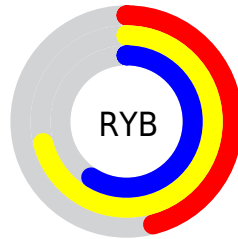
Distribution



Red (58%)

Green (71%)

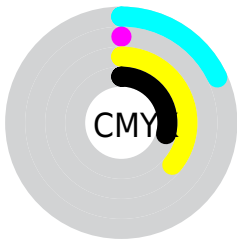
Blue (46%)



Red (46%)

Yellow (71%)

Blue (59%)

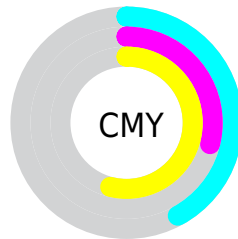


Cyan (18%)

Magenta (0%)

Yellow (36%)

Black (29%)



Cyan (42%)


Magenta (29%)


Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.3333, 41.1298, 23.0643 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 32.3333, 41.1298, 23.0643 by changing the saturation by 10% instead.


 32.3333, 41.1298,
23.0643


 32.3333, 41.1298,
23.0643


304.3531,
350.8628, 281.1877


 21.7730, 28.4205,
14.4352


 62.6949, 76.8809,
49.4234

 13.8059, 18.6429,
8.2818

 83.2269, 100.6915,
67.9906

 8.0666, 11.4125,
4.1854


 107.8135,
128.9713, 90.7075

 4.1897, 6.3450,
1.7276

136.8201,
162.1048, 117.9927

 1.8100, 3.0560,
0.3796

170.6120,
200.4763, 150.2648

 0.5237, 1.1610,
0.0000

209.5546,

 0.0000, 0.0295,

244.4702, 187.9423

0.0000

254.0132,
294.4709, 231.4438

■ 0.0000, 0.0000,
0.0000

■ 32.3333, 41.1298,
23.0643

■ 32.3333, 41.1298,
23.0643

■ 29.7462, 39.9092,
17.8901

■ 35.2643, 42.5062,
29.3423

■ 27.4848, 38.8327,
13.7532

■ 38.5503, 44.0389,
36.7802

■ 25.5335, 37.8949,
10.5840


■ 42.2056, 45.7355,
45.4335

■ 23.8740, 37.0881,
8.3031


■ 46.2425, 47.6013,
55.3534


■ 22.4854, 36.4037,
6.8188


■ 50.6731, 49.6412,
66.5880


 21.3422, 35.8309,
6.0152

 55.5085, 51.8602,
79.1830

 20.9060, 35.6110,
5.7718

 60.7596, 54.2629,
93.1819

 65.1878, 56.3540,
102.0494

 68.1121, 57.8615,
102.1862

Harmonies

Analogous

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



37.5401, 41.1298, 19.0070



32.3333, 41.1298, 23.0643



29.1890, 41.1298, 33.1724

Triad

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



32.3333, 41.1298, 23.0643



34.7947, 41.1298, 83.7376



51.9469, 41.1298, 40.4263

Complementary

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



32.3333, 41.1298, 23.0643



27.3841, 22.5851, 47.1742

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.



51.0158, 41.1298, 58.8294



32.3333, 41.1298, 23.0643



40.6874, 41.1298, 87.1517

Square

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



32.3333, 41.1298, 23.0643



30.5033, 41.1298, 68.6972



46.7339, 41.1298, 77.0824



49.1596, 41.1298, 27.1839

Rectangle

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



32.3333, 41.1298, 23.0643



28.4779, 41.1298, 43.4378



46.7339, 41.1298, 77.0824



52.0631, 41.1298, 46.1564

Sweetspot

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



32.3343, 41.1316, 23.0652



72.8046, 81.1938, 73.5045



33.3306, 32.8844, 21.4208



15.8852, 17.8426, 15.7753



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



32.3343, 41.1316, 23.0652



54.8113, 72.7705, 34.1438



27.2761, 38.5240, 22.8285



9.3000, 10.2713, 9.5993



14.8393, 25.1863, 4.0793



0.5946, 0.9247, 0.1472

Inverse Universe

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



27.3841, 22.5851, 47.1742



44.4779, 34.0587, 84.4655



34.0978, 26.0462, 47.4884



8.9441, 8.9375, 11.3331



9.1852, 4.0464, 31.5500



0.3951, 0.1794, 1.1156

Previews

White Background



This preview shows how the XYZ color 32.3333, 41.1298, 23.0643 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 32.3333, 41.1298, 23.0643 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 32.3333, 41.1298, 23.0643

Background



This preview shows how black text looks on a background with the XYZ color 32.3333, 41.1298, 23.0643.



This preview shows how white text looks on a background with the XYZ color 32.3333, 41.1298,

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

32.3333, 41.1298, 23.0643

Protanopia

37.7932, 40.7572, 21.4978

Deuteranopia

41.6285, 40.7688, 23.7643



Tritanopia

38.2113, 40.8459, 52.8838

Trichromacy



Original Color

32.3333, 41.1298, 23.0643

Protanomaly

35.6008, 40.7591, 21.9105

Deuteranomaly

37.7202, 40.6722, 23.6318

Tritanomaly

35.5645, 40.6279, 40.1499

Monochromacy



Original Color

32.3333, 41.1298, 23.0643

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

34.2063, 38.6349, 33.6714

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.3333, 41.1298, 23.0643 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(149, 182, 117)` looks like.

```
.text, #text, p{  
    color:rgb(149, 182, 117)  
}
```

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(149, 182, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 182, 117) }
```

Border

The CSS property to change the border of an element to XYZ 32.3333, 41.1298, 23.0643 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(149, 182, 117) }
```


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

```
.border{ border-color:rgb(149, 182, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 182, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 182, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 182, 117);  
box-shadow:4px 4px 4px 4px rgb(149, 182,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 32.3333, 41.1298, 23.0643 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 182, 117) }
```

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

```
.background{ background-color: rgb(149,  
182, 117) }
```

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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