

Converting Colors

XYZ(32.9443, 40.9086, 20.3967)

Have a look what the booklet for
XYZ(32.9443, 40.9086, 20.3967)
contains.

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Color

**XYZ(32.9327, 40.8933,
20.3448)**

Conversions

Conversions Part 1

Format	Color
Hex	9DB46C
RGB	157, 180, 108
RGB Percent	62%, 71%, 42%
CMY	0.3843, 0.2941, 0.5765
CMYK	0.13, 0.00, 0.40, 0.29
HSL	79°, 32%, 56%
HSV	79°, 40%, 71%
XYZ	32.9327, 40.8933, 20.3448
YIQ	164.9150, 9.4040, -27.2680

Conversions

Conversions Part 2

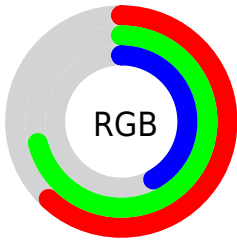
Format	Color
RYB	108, 180, 131
Decimal	10335340
CIELab	70.10, -19.94, 34.11
CIElCh	70, 39.513, 120.312
Yxy	40.8933, 0.3497, 0.4342
Android (android.graphics.Color)	4288525420 (0xFF9DB46C)
YUV	164.9150, -28.0591, -6.9415
Hunter-Lab	63.9479, -19.9825, 25.9006

Details

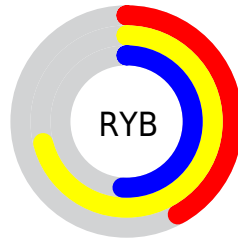
The XYZ color **32.9327, 40.8933, 20.3448** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **22.9624, 18.8468, 45.6098**, and the grayscale version is **35.8514, 37.7185, 41.0755**.

A 20% lighter version of the original color is **63.7812, 76.6751, 44.6959**, and **14.0877, 18.4376, 6.9540** is the 20% darker color. If you saturate the color by 10%, you get **30.9765, 39.9856, 15.7586**, and if you desaturate by 10%, it is **35.1416, 41.9109, 25.9769**.

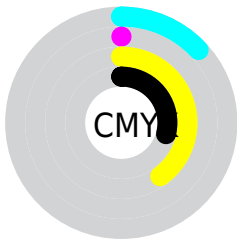
Distribution



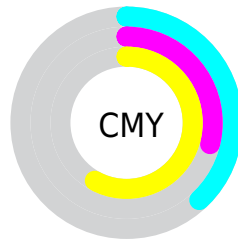
- Red (62%)
- Green (71%)
- Blue (42%)



- Red (42%)
- Yellow (71%)
- Blue (51%)



- Cyan (13%)
- Magenta (0%)
- Yellow (40%)
- Black (29%)



- Cyan (38%)
- Magenta (29%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.9327, 40.8933, 20.3448 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 32.9327, 40.8933, 20.3448 by changing the saturation by 10% instead.

■ 32.9327, 40.8933,
20.3448

■ 32.9327, 40.8933,
20.3448

307.0167,
349.8745, 266.4414

■ 22.2339, 28.2357,
12.4594

■ 63.6258, 76.5219,
44.8611

■ 14.1464, 18.5034,
6.9310

■ 84.3508, 100.2617,
62.3290

■ 8.3050, 11.3120,
3.3412

■ 109.1486,
128.4644, 83.8281

■ 4.3441, 6.2771,
1.2714

■ 138.3846,
161.5143, 109.7770

■ 1.8986, 3.0143,
0.0382

172.4240,
199.7959, 140.5943

■ 0.5760, 1.1392,
0.0000

211.6322,

■ 0.0000, 0.0112,

243.6935, 176.6984

0.0000

256.3747,
293.5916, 218.5079

■ 0.0000, 0.0000,
0.0000

■ 32.9327, 40.8933,
20.3448

■ 32.9327, 40.8933,
20.3448

■ 30.9765, 39.9856,
15.7586

■ 35.1416, 41.9109,
25.9769

■ 29.2570, 39.1773,
12.1511

■ 37.6120, 43.0380,
32.7115

■ 27.7608, 38.4641,
9.4513


■ 40.3560, 44.2807,
40.6040


■ 26.4716, 37.8397,
7.5777

■ 43.3840, 45.6434,
49.7055


■ 25.3704, 37.2962,
6.4340


■ 46.7058, 47.1300,
60.0639

 24.4185, 36.8180,
5.8196

 50.3306, 48.7444,
71.7247

 54.2673, 50.4900,
84.7310

 58.5243, 52.3704,
99.1238

 60.5983, 53.3843,
101.7181

Harmonies

Analogous

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



38.8002, 40.8933, 17.5956



32.9327, 40.8933, 20.3448



29.0496, 40.8933, 29.1361

Triad

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



32.9327, 40.8933, 20.3448



33.0378, 40.8933, 83.1061



52.6509, 40.8933, 44.3323

Complementary

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



32.9327, 40.8933, 20.3448



22.9624, 18.8468, 45.6098

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.



50.6812, 40.8933, 64.5583



32.9327, 40.8933, 20.3448



38.9356, 40.8933, 90.3827

Square

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



32.9327, 40.8933, 20.3448



29.1054, 40.8933, 64.9894



45.4764, 40.8933, 82.8126



50.6005, 40.8933, 28.8838

Rectangle

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



32.9327, 40.8933, 20.3448



27.8697, 40.8933, 38.8069



45.4764, 40.8933, 82.8126



52.4347, 40.8933, 50.7808

Sweetspot

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



32.9337, 40.8951, 20.3457



72.0296, 79.7710, 70.2793



29.6201, 26.9662, 17.8318



15.4282, 17.1780, 14.7831



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



32.9337, 40.8951, 20.3457



56.5597, 72.6835, 29.4581



26.9425, 37.8065, 20.0653



8.9278, 9.7678, 9.0674



17.1139, 25.7326, 4.0649



0.5959, 0.8393, 0.1306

Inverse Universe

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



22.9624, 18.8468, 45.6098



35.9906, 27.1581, 81.6397



29.4963, 22.2151, 45.9156



8.2891, 8.3575, 10.6826



7.0107, 2.9499, 30.3369



0.2829, 0.1249, 0.9574

Previews

White Background



This preview shows how the XYZ color 32.9327, 40.8933, 20.3448 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 32.9327, 40.8933, 20.3448 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 32.9327, 40.8933, 20.3448

Background



This preview shows how black text looks on a background with the XYZ color 32.9327, 40.8933, 20.3448.



This preview shows how white text looks on a background with the XYZ color 32.9327, 40.8933,

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

32.9327, 40.8933, 20.3448

Protanopia

37.6062, 40.7105, 19.2405

Deuteranopia

41.4754, 40.4860, 20.9578



Tritanopia

39.1510, 40.8020, 51.1595

Trichromacy



Original Color

32.9327, 40.8933, 20.3448

Protanomaly

35.6421, 40.5428, 19.5827

Deuteranomaly

37.7962, 40.2150, 20.8091

Tritanomaly

36.2411, 40.4589, 37.3517

Monochromacy



Original Color

32.9327, 40.8933, 20.3448

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

34.3091, 38.4444, 31.9978

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.9327, 40.8933, 20.3448 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(157, 180, 108)` looks like.

```
.text, #text, p{  
    color:rgb(157, 180, 108)  
}
```

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(157, 180, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 180, 108) }
```

Border

The CSS property to change the border of an element to XYZ 32.9327, 40.8933, 20.3448 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(157, 180, 108) }
```


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

```
.border{ border-color:rgb(157, 180, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 180, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 180, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 180, 108);  
box-shadow:4px 4px 4px 4px rgb(157, 180,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 32.9327, 40.8933, 20.3448 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 180, 108) }
```

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

```
.background{ background-color: rgb(157,  
180, 108) }
```

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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