

Converting Colors

XYZ(32.1637, 39.7332, 21.0645)

Have a look what the booklet for
XYZ(32.1637, 39.7332, 21.0645)
contains.

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Color

**XYZ(32.1090, 39.5605,
20.9826)**

Conversions

Conversions Part 1

Format	Color
Hex	9BB16F
RGB	155, 177, 111
RGB Percent	61%, 69%, 44%
CMY	0.3922, 0.3059, 0.5647
CMYK	0.12, 0.00, 0.37, 0.31
HSL	80°, 30%, 56%
HSV	80°, 37%, 69%
XYZ	32.1090, 39.5605, 20.9826
YIQ	162.8980, 8.0740, -25.1900

Conversions

Conversions Part 2

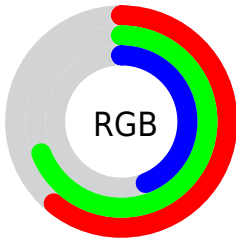
Format	Color
RYB	111, 177, 133
Decimal	10203503
CIELab	69.16, -18.82, 31.30
CIElCh	69, 36.520, 121.018
Yxy	39.5605, 0.3466, 0.4270
Android (android.graphics.Color)	4288393583 (0xFF9BB16F)
YUV	162.8980, -25.5857, -6.9265
Hunter-Lab	62.8971, -18.9457, 24.2487

Details

The XYZ color **32.1090, 39.5605, 20.9826** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **23.2946, 19.5308, 44.1392**, and the grayscale version is **34.8797, 36.6962, 39.9622**.

A 20% lighter version of the original color is **62.3281, 74.6238, 45.7691**, and **13.6707, 17.6467, 7.2431** is the 20% darker color. If you saturate the color by 10%, you get **30.1248, 38.6405, 16.2968**, and if you desaturate by 10%, it is **34.3437, 40.5898, 26.6899**.

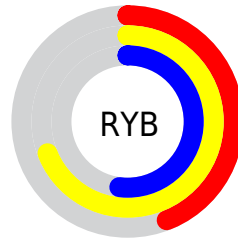
Distribution



Red (61%)

Green (69%)

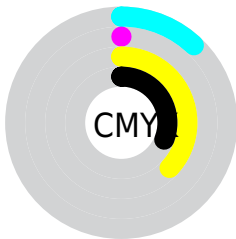
Blue (44%)



Red (44%)

Yellow (69%)

Blue (52%)

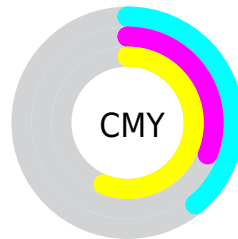


Cyan (12%)

Magenta (0%)

Yellow (37%)

Black (31%)



Cyan (39%)


Magenta (31%)


Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.1090, 39.5605, 20.9826 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 32.1090, 39.5605, 20.9826 by changing the saturation by 10% instead.


 32.1090, 39.5605,
20.9826


 32.1090, 39.5605,
20.9826


303.3520,
344.2677, 269.9640


 21.6007, 27.1960,
12.9202


 62.3460, 74.4938,
45.9390


 13.6788, 17.7205,
7.2435

 82.8054, 97.8314,
63.6700

 7.9778, 10.7495,
3.5341


 107.3125,
125.5955, 85.4610

 4.1324, 5.8987,
1.3734

 136.2328,
158.1706, 111.7305

 1.7773, 2.7836,
0.1208

169.9315,
195.9409, 142.8970

 0.5039, 1.0198,
0.0000

208.7740,

 0.0000, 0.0000,

239.2909, 179.3790

0.0000

253.1257,
288.6051, 221.5952

■ 32.1090, 39.5605,
20.9826

■ 32.1090, 39.5605,
20.9826

■ 30.1248, 38.6405,
16.2968

■ 34.3437, 40.5898,
26.6899

■ 28.3758, 37.8196,
12.5694

■ 36.8373, 41.7277,
33.4715

■ 26.8496, 37.0939,
9.7345

■ 39.6012, 42.9804,
41.3798

■ 25.5311, 36.4575,
7.7168

■ 42.6452, 44.3518,
50.4628

■ 24.4027, 35.9032,
6.4284

■ 45.9788, 45.8457,
60.7660

■ 23.4390, 35.4206,
5.7393

■ 49.6107, 47.4658,
72.3323

■ 23.1935, 35.2971,
5.5906

■ 53.5495, 49.2155,
85.2025

■ 57.8031, 51.0982,
99.4156

■ 59.8159, 52.0915,
101.5098

Harmonies

Analogous

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



37.4021, 39.5605, 18.2666



32.1090, 39.5605, 20.9826



28.6128, 39.5605, 29.3017

Triad

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



32.1090, 39.5605, 20.9826



32.4208, 39.5605, 77.7547



49.9762, 39.5605, 42.5062

Complementary

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



32.1090, 39.5605, 20.9826



23.2946, 19.5308, 44.1392

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.



48.2984, 39.5605, 60.6019



32.1090, 39.5605, 20.9826



37.8008, 39.5605, 83.8684

Square

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



32.1090, 39.5605, 20.9826



28.7793, 39.5605, 61.8520



43.6862, 39.5605, 76.9113



48.0632, 39.5605, 28.5434

Rectangle

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



32.1090, 39.5605, 20.9826



27.5690, 39.5605, 38.2486



43.6862, 39.5605, 76.9113



49.8121, 39.5605, 48.2906

Sweetspot

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



32.1100, 39.5622, 20.9834



68.9319, 76.0729, 68.3377



29.3897, 27.2711, 18.7544



14.7971, 16.4221, 14.4040



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.



32.1100, 39.5622, 20.9834



54.4622, 69.4394, 30.3476



26.6187, 36.7314, 20.7265



8.9163, 9.7619, 9.0668



16.8700, 25.6069, 4.0535



0.5896, 0.8360, 0.1303

Inverse Universe

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



23.2946, 19.5308, 44.1392



36.3308, 28.2056, 78.0247



29.3476, 22.6512, 44.4224



8.3000, 8.3632, 10.6831



7.1153, 3.0039, 30.3418



0.2873, 0.1272, 0.9576

Previews

White Background



This preview shows how the XYZ color 32.1090, 39.5605, 20.9826 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 32.1090, 39.5605, 20.9826 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 32.1090, 39.5605, 20.9826

Background



This preview shows how black text looks on a background with the XYZ color 32.1090, 39.5605, 20.9826.



This preview shows how white text looks on a background with the XYZ color 32.1090, 39.5605,

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

32.1090, 39.5605, 20.9826

Protanopia

36.2378, 39.1553, 19.8351

Deuteranopia

40.1965, 39.2841, 21.6837



Tritanopia

37.9632, 39.3820, 49.8566

Trichromacy



Original Color

32.1090, 39.5605, 20.9826

Protanomaly

34.5568, 39.1142, 20.1965

Deuteranomaly

36.8636, 39.1666, 21.5366

Tritanomaly

35.2616, 39.1032, 37.1417

Monochromacy



Original Color

32.1090, 39.5605, 20.9826

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

33.5339, 37.4925, 31.8549

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.1090, 39.5605, 20.9826 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(155, 177, 111)` looks like.

```
.text, #text, p{  
    color:rgb(155, 177, 111)  
}
```

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(155, 177, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 177, 111) }
```

Border

The CSS property to change the border of an element to XYZ 32.1090, 39.5605, 20.9826 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(155, 177, 111) }
```


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

```
.border{ border-color:rgb(155, 177, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 177, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 177, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 177, 111);  
box-shadow:4px 4px 4px 4px rgb(155, 177,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 32.1090, 39.5605, 20.9826 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 177, 111) }
```

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

```
.background{ background-color: rgb(155,  
177, 111) }
```

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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