

Converting Colors

XYZ(32.6171, 38.3957, 20.1600)

Have a look what the booklet for
XYZ(32.6171, 38.3957, 20.1600)
contains.

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Color

**XYZ(32.6171, 38.3957,
20.1600)**

Conversions

Conversions Part 1

Format	Color
Hex	A3AC6D
RGB	163, 172, 109
RGB Percent	64%, 67%, 43%
CMY	0.3608, 0.3255, 0.5725
CMYK	0.05, 0.00, 0.37, 0.33
HSL	69°, 28%, 55%
HSV	69°, 37%, 67%
XYZ	32.6171, 38.3957, 20.1600
YIQ	162.1270, 14.8590, -21.5010

Conversions

Conversions Part 2

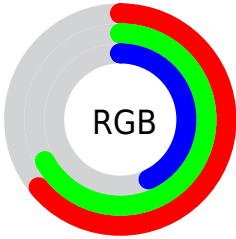
Format	Color
RYB	109, 172, 118
Decimal	10726509
CIELab	68.31, -13.35, 31.37
CIELCh	68, 34.096, 113.057
Yxy	38.3957, 0.3578, 0.4211
Android (android.graphics.Color)	4288916589 (0xFFA3AC6D)
YUV	162.1270, -26.1916, 0.7656
Hunter-Lab	61.9643, -14.4776, 24.0851

Details

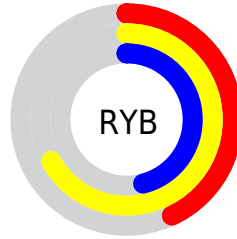
The XYZ color **32.6171, 38.3957, 20.1600** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **20.3877, 17.7684, 41.3870**, and the grayscale version is **34.5170, 36.3146, 39.5466**.

A 20% lighter version of the original color is **63.1155, 72.5714, 44.3994**, and **13.9625, 17.0742, 6.8347** is the 20% darker color. If you saturate the color by 10%, you get **31.2822, 37.8055, 15.7282**, and if you desaturate by 10%, it is **34.1449, 39.0669, 25.5482**.

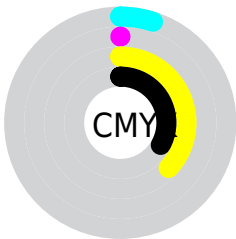
Distribution



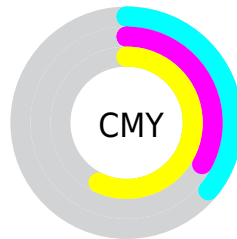
- Red (64%)
- Green (67%)
- Blue (43%)



- Red (43%)
- Yellow (67%)
- Blue (46%)



- Cyan (5%)
- Magenta (0%)
- Yellow (37%)
- Black (33%)



- Cyan (36%)
- Magenta (33%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.6171, 38.3957, 20.1600 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 32.6171, 38.3957, 20.1600 by changing the saturation by 10% instead.

■ 32.6171, 38.3957,
20.1600

■ 32.6171, 38.3957,
20.1600

305.6164,
339.3144, 265.4128

■ 21.9911, 26.2899,
12.3262

■ 63.1360, 72.7142,
44.5478

■ 13.9669, 17.0407,
6.8410

■ 83.7595, 95.6958,
61.9388

■ 8.1792, 10.2635,
3.2859

■ 108.4463,
123.0714, 83.3526

■ 4.2626, 5.5740,
1.2424

■ 137.5617,
155.2255, 109.2078

■ 1.8517, 2.5878,
0.0139

171.4711,
192.5425, 139.9229

■ 0.5486, 0.9206,
0.0000

210.5398,

■ 0.0000, 0.0000,

235.4067, 175.9164

0.0000

255.1331,
284.2025, 217.6068

■ 32.6171, 38.3957,
20.1600

■ 32.6171, 38.3957,
20.1600

■ 31.2822, 37.8055,
15.7282

■ 34.1449, 39.0669,
25.5482

■ 30.1267, 37.2868,
12.1945

■ 35.8726, 39.8178,
31.9418

■ 29.1398, 36.8367,
9.4979


■ 37.8102, 40.6538,
39.3892


■ 28.3082, 36.4499,
7.5689


■ 39.9662, 41.5784,
47.9352


■ 27.6165, 36.1201,
6.3269

■ 42.3488, 42.5947,
57.6217


 27.0432, 35.8387,
5.6588

 44.9656, 43.7059,
68.4888

 26.8618, 35.7488,
5.4844

 47.8237, 44.9148,
80.5743

 50.9301, 46.2242,
93.9146

 52.8410, 47.0565,
100.9055

Harmonies

Analogous

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



37.7499, 38.3957, 18.8759



32.6171, 38.3957, 20.1600



28.8846, 38.3957, 26.5009

Triad

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



32.6171, 38.3957, 20.1600



30.6619, 38.3957, 70.0010



47.6696, 38.3957, 45.4645

Complementary

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



32.6171, 38.3957, 20.1600



20.3877, 17.7684, 41.3870

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.



45.3345, 38.3957, 62.0970



32.6171, 38.3957, 20.1600



35.2662, 38.3957, 78.3355

Square

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



32.6171, 38.3957, 20.1600



27.8351, 38.3957, 54.4183



40.6665, 38.3957, 75.1364



46.7847, 38.3957, 31.3111

Rectangle

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



32.6171, 38.3957, 20.1600



27.5235, 38.3957, 33.8059



40.6665, 38.3957, 75.1364



47.2282, 38.3957, 50.9789

Sweetspot

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



32.6181, 38.3974, 20.1608



66.9353, 73.0355, 65.0391



26.1829, 22.6918, 17.4685



14.4475, 15.8295, 13.7539



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



32.6181, 38.3974, 20.1608



57.1682, 68.7683, 29.8857



27.0456, 35.5247, 19.9000



8.5485, 9.2713, 8.5524



20.0236, 26.6196, 4.0827



0.5872, 0.7561, 0.1150

Inverse Universe

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



20.3877, 17.7684, 41.3870



31.7042, 25.7954, 74.1138



25.2925, 20.2969, 41.6166



7.6815, 7.8101, 10.0553



5.8613, 2.3815, 29.1953



0.1952, 0.0828, 0.8137

Previews

White Background



This preview shows how the XYZ color 32.6171, 38.3957, 20.1600 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 32.6171, 38.3957, 20.1600 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

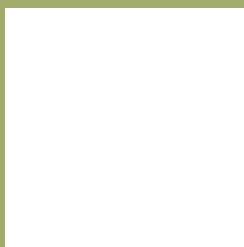
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.6171, 38.3957, 20.1600

Background



This preview shows how black text looks on a background with the XYZ color 32.6171, 38.3957, 20.1600.



This preview shows how white text looks on a background with the XYZ color 32.6171, 38.3957,

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

32.6171, 38.3957, 20.1600

Protanopia

35.3461, 38.1577, 19.4122

Deuteranopia

38.8760, 38.1082, 20.6359



Tritanopia

38.0059, 38.3832, 47.0005

Trichromacy



Original Color

32.6171, 38.3957, 20.1600

Protanomaly

34.1650, 38.0866, 19.7381

Deuteranomaly

36.3944, 38.1377, 20.4821

Tritanomaly

35.6347, 38.2293, 35.2066

Monochromacy



Original Color

32.6171, 38.3957, 20.1600

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

33.4944, 36.9370, 31.3508

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.6171, 38.3957, 20.1600 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(163, 172, 109)` looks like.

```
.text, #text, p{  
    color:rgb(163, 172, 109)  
}
```

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(163, 172, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 172, 109) }
```

Border

The CSS property to change the border of an element to XYZ 32.6171, 38.3957, 20.1600 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(163, 172, 109) }
```


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

```
.border{ border-color:rgb(163, 172, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 172, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 172, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 172, 109);  
box-shadow:4px 4px 4px 4px rgb(163, 172,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 32.6171, 38.3957, 20.1600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 172, 109) }
```

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

```
.background{ background-color: rgb(163,  
172, 109) }
```

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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