

Converting Colors

XYZ(38.4440, 41.9627, 20.8252)

Have a look what the booklet for
XYZ(38.4440, 41.9627, 20.8252)
contains.

XYZ(38.4440, 41.9627, 20.8252)	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(38.4440, 41.9627,
20.8252)**

Conversions

Conversions Part 1

Format	Color
Hex	BBAE6E
RGB	187, 174, 110
RGB Percent	73%, 68%, 43%
CMY	0.2667, 0.3176, 0.5686
CMYK	0.00, 0.07, 0.41, 0.27
HSL	50°, 36%, 58%
HSV	50°, 41%, 73%
XYZ	38.4440, 41.9627, 20.8252
YIQ	170.5910, 28.2920, -17.1480

Conversions

Conversions Part 2

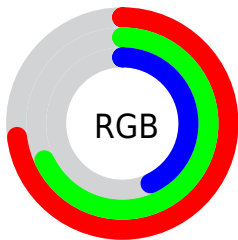
Format	Color
RYB	126, 187, 110
Decimal	12299886
CIELab	70.85, -4.56, 34.50
CIELCh	71, 34.801, 97.531
Yxy	41.9627, 0.3798, 0.4145
Android (android.graphics.Color)	4290489966 (0xFFBBAE6E)
YUV	170.5910, -29.8714, 14.3907
Hunter-Lab	64.7786, -7.4287, 26.2843

Details

The XYZ color **38.4440, 41.9627, 20.8252** is a light color, and the websafe version is hex **999966**. A complement of this color would be **22.4827, 21.0680, 49.8951**, and the grayscale version is **38.6395, 40.6517, 44.2697**.

A 20% lighter version of the original color is **71.8491, 77.8804, 45.4280**, and **17.3176, 19.1615, 7.2007** is the 20% darker color. If you saturate the color by 10%, you get **36.9292, 40.3942, 15.8164**, and if you desaturate by 10%, it is **40.1900, 43.6497, 26.9721**.

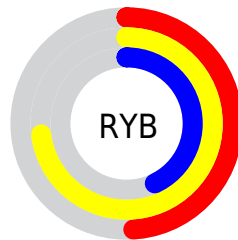
Distribution



Red (73%)

Green (68%)

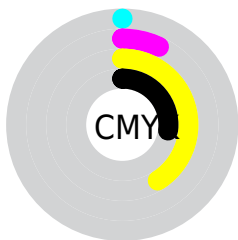
Blue (43%)



Red (49%)

Yellow (73%)

Blue (43%)

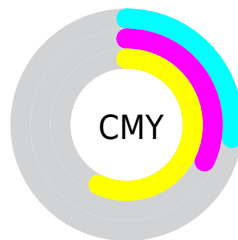


Cyan (0%)

Magenta (7%)

Yellow (41%)

Black (27%)



Cyan (27%)

Magenta (32%)

Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.4440, 41.9627, 20.8252 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 38.4440, 41.9627, 20.8252 by changing the saturation by 10% instead.

■ 38.4440, 41.9627,
20.8252

■ 38.4440, 41.9627,
20.8252

330.7688,
354.3283, 269.0985

■ 26.5062, 29.0721,
12.8063

■ 72.0877, 78.1432,
45.6734

■ 17.3374, 19.1354,
7.1661

■ 94.5243, 102.2018,
63.3399

■ 10.5721, 11.7681,
3.4862

■ 121.1913,
130.7519, 85.0592

■ 5.8451, 6.5860,
1.3479

■ 152.4540,
164.1779, 111.2500

■ 2.7909, 3.2046,
0.1006

188.6777,
202.8641, 142.3308

■ 1.0442, 1.2394,
0.0000

230.2279,

■ 0.0000, 0.0936,

247.1950, 178.7201

0.0000

277.4698,
297.5549, 220.8365

■ 0.0000, 0.0000,
0.0000

■ 38.4440, 41.9627,
20.8252

■ 38.4440, 41.9627,
20.8252

■ 36.9292, 40.3942,
15.8164

■ 40.1900, 43.6497,
26.9721

■ 35.6289, 38.9326,
11.8712

■ 42.1768, 45.4546,
34.3200

■ 34.5288, 37.5738,
8.9106


■ 44.4169, 47.3840,
42.9303


■ 33.6114, 36.3105,
6.8430


■ 46.9211, 49.4425,
52.8596


■ 32.8561, 35.1344,
5.5600


■ 49.6997, 51.6342,
64.1608

 32.2882, 34.1543,
4.8907

 52.7621, 53.9632,
76.8840

 56.1176, 56.4332,
91.0770

 59.0250, 58.7479,
102.8363

 59.7599, 60.2177,
103.0812

Harmonies

Analogous

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



44.2885, 41.9627, 22.1207



38.4440, 41.9627, 20.8252



33.4842, 41.9627, 24.7964

Triad

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



38.4440, 41.9627, 20.8252



31.6971, 41.9627, 67.9758



51.0723, 41.9627, 58.9794

Complementary

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



38.4440, 41.9627, 20.8252



22.4827, 21.0680, 49.8951

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.



47.0520, 41.9627, 75.8973



38.4440, 41.9627, 20.8252



35.7822, 41.9627, 81.9059

Square

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



38.4440, 41.9627, 20.8252



29.8414, 41.9627, 49.9943



41.3601, 41.9627, 85.1101



51.9600, 41.9627, 41.6406

Rectangle

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



38.4440, 41.9627, 20.8252



31.2160, 41.9627, 30.6327



41.3601, 41.9627, 85.1101



50.0248, 41.9627, 65.0158

Sweetspot

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



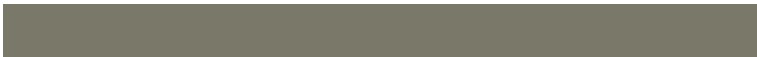
38.4450, 41.9646, 20.8261



79.1208, 84.5025, 75.2111



29.7151, 23.1752, 22.0151



17.3036, 18.5071, 16.0961



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



38.4450, 41.9646, 20.8261



66.4923, 72.7232, 29.4516



35.6108, 44.4125, 21.4479



10.1815, 10.8390, 10.1321



22.2928, 23.6244, 3.3850



0.9101, 0.9992, 0.1449

Inverse Universe

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



22.4827, 21.0680, 49.8951



34.2214, 30.4970, 88.2842



24.4386, 19.8401, 49.5550



9.1432, 9.4786, 12.0199



6.5648, 3.2414, 32.6726



0.2981, 0.2089, 1.2935

Previews

White Background



This preview shows how the XYZ color 38.4440, 41.9627, 20.8252 looks on a white background.

Color Contrast Check

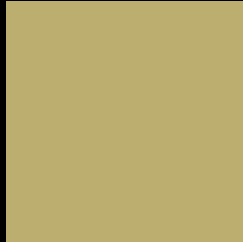
Large Text (above 18pt) WCAG AA × Fail

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 38.4440, 41.9627, 20.8252 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

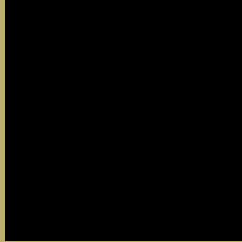
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.4440, 41.9627, 20.8252

Background



This preview shows how black text looks on a background with the XYZ color 38.4440, 41.9627, 20.8252.



This preview shows how white text looks on a background with the XYZ color 38.4440, 41.9627,

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

38.4440, 41.9627, 20.8252

Protanopia

38.7443, 41.8317, 20.7841

Deuteranopia

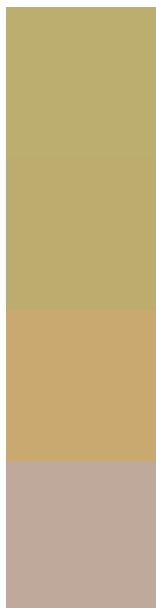
42.8553, 41.9976, 21.1769



Tritanopia

44.0210, 41.9964, 48.4338

Trichromacy



Original Color

38.4440, 41.9627, 20.8252

Protanomaly

38.4971, 41.7043, 20.7726

Deuteranomaly

41.1446, 41.9411, 20.9658

Tritanomaly

41.5066, 41.7854, 36.4496

Monochromacy



Original Color

38.4440, 41.9627, 20.8252

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

38.3088, 41.0221, 34.3327

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.4440, 41.9627, 20.8252 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(187, 174, 110)` looks like.

```
.text, #text, p{  
    color:rgb(187, 174, 110)  
}
```

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(187, 174, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 174, 110) }
```

Border

The CSS property to change the border of an element to XYZ 38.4440, 41.9627, 20.8252 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(187, 174, 110) }
```


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

```
.border{ border-color:rgb(187, 174, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 174, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 174, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 174, 110);  
box-shadow:4px 4px 4px 4px rgb(187, 174,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 38.4440, 41.9627, 20.8252 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 174, 110) }
```

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

```
.background{ background-color: rgb(187,  
174, 110) }
```

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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