

Converting Colors

XYZ(40.5416, 48.5561, 32.4350)

Have a look what the booklet for
XYZ(40.5416, 48.5561, 32.4350)
contains.

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Color

**XYZ(40.6723, 48.7209,
32.4597)**

Conversions

Conversions Part 1

Format	Color
Hex	ABC18D
RGB	171, 193, 141
RGB Percent	67%, 76%, 55%
CMY	0.3294, 0.2431, 0.4471
CMYK	0.11, 0.00, 0.27, 0.24
HSL	85°, 30%, 65%
HSV	85°, 27%, 76%
XYZ	40.6723, 48.7209, 32.4597
YIQ	180.4940, 3.5800, -20.8360

Conversions

Conversions Part 2

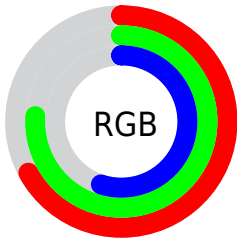
Format	Color
RYB	141, 193, 163
Decimal	11256205
CIELab	75.28, -16.65, 23.77
CIELCh	75, 29.023, 125.019
Yxy	48.7209, 0.3338, 0.3998
Android (android.graphics.Color)	4289446285 (0xFFABC18D)
YUV	180.4940, -19.4705, -8.3262
Hunter-Lab	69.8004, -18.1396, 21.2882

Details

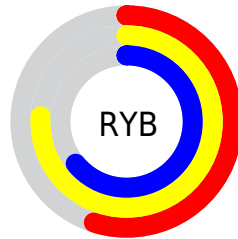
The XYZ color **40.6723, 48.7209, 32.4597** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **34.2566, 30.6878, 54.5725**, and the grayscale version is **43.7493, 46.0277, 50.1241**.

A 20% lighter version of the original color is **75.4046, 88.0224, 64.6455**, and **18.5493, 23.0550, 13.1453** is the 20% darker color. If you saturate the color by 10%, you get **37.6357, 47.3087, 25.4634**, and if you desaturate by 10%, it is **44.0717, 50.2942, 40.7814**.

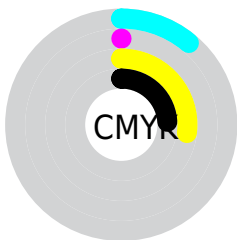
Distribution



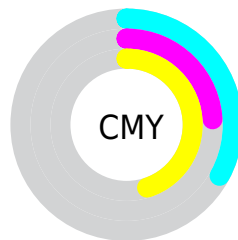
- Red (67%)
- Green (76%)
- Blue (55%)



- Red (55%)
- Yellow (76%)
- Blue (64%)



- Cyan (11%)
- Magenta (0%)
- Yellow (27%)
- Black (24%)





- Cyan (33%)
- Magenta (24%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.6723, 48.7209, 32.4597 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 40.6723, 48.7209, 32.4597 by changing the saturation by 10% instead.


 40.6723, 48.7209,
32.4597


 40.6723, 48.7209,
32.4597


340.0352,
381.6425, 327.7651


 28.2497, 34.3981,
21.4451

 75.4640, 88.2768,
64.6373

 18.6554, 23.1996,
13.2554

 98.5638, 114.2787,
86.6375

 11.5240, 14.7410,
7.4718

 125.9534,
144.9424, 113.1366

 6.4904, 8.6378,
3.6760

157.9981,
180.6524, 144.5531

 3.1889, 4.5057,
1.4493

195.0633,
221.7930, 181.3057

 1.2545, 1.9603,
0.1798

237.5143,

 0.1487, 0.5842,

268.7486, 223.8129

0.0000

285.7164,
321.9037, 272.4932

■ 0.0000, 0.0000,
0.0000

■ 40.6723, 48.7209,
32.4597

■ 40.6723, 48.7209,
32.4597

■ 37.6357, 47.3087,
25.4634

■ 44.0717, 50.2942,
40.7814

■ 34.9431, 46.0449,
19.7207

■ 47.8440, 52.0279,
50.4888

■ 32.5796, 44.9250,
15.1582

■ 52.0036, 53.9297,
61.6424

■ 30.5274, 43.9417,
11.6933

■ 56.5631, 56.0048,
74.2982

■ 28.7668, 43.0867,
9.2328

■ 61.5341, 58.2581,
88.5091

■ 27.2749, 42.3506,
7.6680

■ 66.6360, 60.5775,
102.7883

■ 26.0213, 41.7212,
6.8509

■ 69.1686, 61.8830,
102.9068

■ 25.6693, 41.5435,
6.6658

■ 71.8235, 63.2517,
103.0310

■ 74.6026, 64.6844,
103.1611

Harmonies

Analogous

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



45.4170, 48.7209, 28.8536



40.6723, 48.7209, 32.4597



37.6256, 48.7209, 41.5939

Triad

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



40.6723, 48.7209, 32.4597



42.1132, 48.7209, 84.3483



57.2853, 48.7209, 50.5224

Complementary

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



40.6723, 48.7209, 32.4597



34.2566, 30.6878, 54.5725

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.



56.2322, 48.7209, 66.4344



40.6723, 48.7209, 32.4597



47.2101, 48.7209, 87.9867

Square

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



40.6723, 48.7209, 32.4597



38.4117, 48.7209, 71.7365



52.4411, 48.7209, 80.8986



55.2179, 48.7209, 37.9259

Rectangle

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



40.6723, 48.7209, 32.4597



36.8302, 48.7209, 50.5409



52.4411, 48.7209, 80.8986



57.2859, 48.7209, 55.6382

Sweetspot

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



40.6736, 48.7230, 32.4608



84.8509, 92.7955, 88.2344



39.8399, 39.3383, 30.6933



17.9764, 19.8036, 18.3374



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



40.6736, 48.7230, 32.4608



69.7415, 85.8174, 50.8851



35.6150, 46.1153, 32.2240



10.4883, 11.5392, 10.7364



17.1652, 27.6778, 4.4377



0.8190, 1.2358, 0.1954

Inverse Universe

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



34.2566, 30.6878, 54.5725



56.4400, 48.4245, 96.7324



40.0560, 33.6775, 54.8439



9.9232, 9.9516, 12.6827



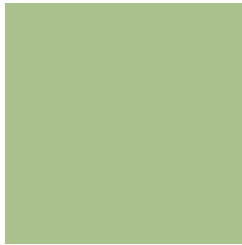
8.7843, 3.7889, 33.8250



0.4581, 0.2042, 1.4652

Previews

White Background



This preview shows how the XYZ color 40.6723, 48.7209, 32.4597 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 40.6723, 48.7209, 32.4597 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

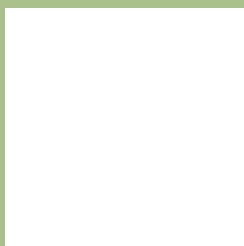
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.6723, 48.7209, 32.4597

Background



This preview shows how black text looks on a background with the XYZ color 40.6723, 48.7209, 32.4597.



This preview shows how white text looks on a background with the XYZ color 40.6723, 48.7209,

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

40.6723, 48.7209, 32.4597

Protanopia

45.1530, 48.5098, 30.6504

Deuteranopia

49.5697, 48.6061, 33.1549



Tritanopia

46.5967, 48.5714, 61.5629

Trichromacy



Original Color

40.6723, 48.7209, 32.4597

Protanomaly

43.3097, 48.4928, 31.1221

Deuteranomaly

45.7108, 48.1295, 32.8673

Tritanomaly

44.2514, 48.5682, 49.6901

Monochromacy



Original Color

40.6723, 48.7209, 32.4597

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

42.3634, 46.7982, 42.8766

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.6723, 48.7209, 32.4597 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(171, 193, 141)` looks like.

```
.text, #text, p{  
    color:rgb(171, 193, 141)  
}
```

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(171, 193, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 193, 141) }
```

Border

The CSS property to change the border of an element to XYZ 40.6723, 48.7209, 32.4597 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(171, 193, 141) }
```


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

```
.border{ border-color:rgb(171, 193, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 193, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 193, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 193, 141);  
box-shadow:4px 4px 4px 4px rgb(171, 193,  
141) }
```

Background

The CSS property to change the background color of an element to XYZ 40.6723, 48.7209, 32.4597 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 193, 141) }
```

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

```
.background{ background-color: rgb(171,  
193, 141) }
```

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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