

Converting Colors

XYZ(40.3932, 50.7378, 24.5878)

Have a look what the booklet for
XYZ(40.3932, 50.7378, 24.5878)
contains.

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Color

**XYZ(40.4289, 50.7891,
24.5021)**

Conversions

Conversions Part 1

Format	Color
Hex	ABC775
RGB	171, 199, 117
RGB Percent	67%, 78%, 46%
CMY	0.3294, 0.2196, 0.5412
CMYK	0.14, 0.00, 0.41, 0.22
HSL	80°, 42%, 62%
HSV	80°, 41%, 78%
XYZ	40.4289, 50.7891, 24.5021
YIQ	181.2800, 9.6340, -31.4380

Conversions

Conversions Part 2

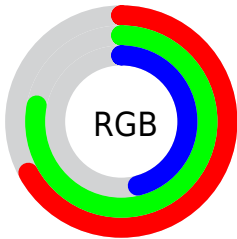
Format	Color
RYB	117, 199, 145
Decimal	11257717
CIELab	76.55, -22.90, 37.92
CIELCh	77, 44.298, 121.125
Yxy	50.7891, 0.3494, 0.4389
Android (android.graphics.Color)	4289447797 (0xFFABC775)
YUV	181.2800, -31.6900, -9.0156
Hunter-Lab	71.2665, -23.4547, 29.5021

Details

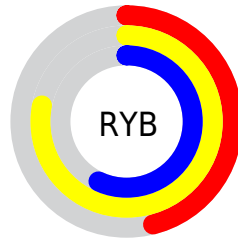
The XYZ color **40.4289, 50.7891, 24.5021** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **28.3492, 22.8672, 56.9553**, and the grayscale version is **44.2362, 46.5400, 50.6820**.

A 20% lighter version of the original color is **74.6943, 90.7532, 51.6105**, and **18.4746, 24.4380, 9.0535** is the 20% darker color. If you saturate the color by 10%, you get **37.9389, 49.6282, 18.9138**, and if you desaturate by 10%, it is **43.2463, 52.0933, 31.4061**.

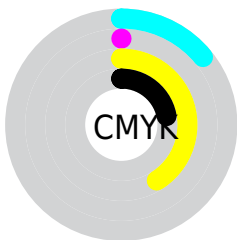
Distribution



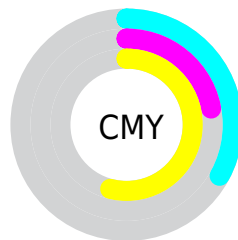
- Red (67%)
- Green (78%)
- Blue (46%)



- Red (46%)
- Yellow (78%)
- Blue (57%)



- Cyan (14%)
- Magenta (0%)
- Yellow (41%)
- Black (22%)



- Cyan (33%)
- Magenta (22%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.4289, 50.7891, 24.5021 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 40.4289, 50.7891, 24.5021 by changing the saturation by 10% instead.

■ 40.4289, 50.7891,
24.5021

■ 40.4289, 50.7891,
24.5021

339.0315,
389.7438, 288.7171

■ 28.0588, 36.0408,
15.4909

■ 75.0964, 91.3430,
51.8024

■ 18.5107, 24.4657,
9.0142

■ 98.1245, 117.9173,
70.9285

■ 11.4191, 15.6794,
4.6535

■ 125.4360,
149.2024, 94.2633

■ 6.4189, 9.2976,
1.9903

157.3962,
185.5827, 122.2254

■ 3.1445, 4.9358,
0.5493

194.3705,
227.4426, 155.2333

■ 1.2306, 2.2096,
0.0000

236.7242,

■ 0.1303, 0.7252,

275.1665, 193.7055

0.0000

284.8228,
329.1388, 238.0606

■ 0.0000, 0.0000,
0.0000

■ 40.4289, 50.7891,
24.5021

■ 40.4289, 50.7891,
24.5021

■ 37.9389, 49.6282,
18.9138

■ 43.2463, 52.0933,
31.4061

■ 35.7555, 48.5969,
14.5542

■ 46.4029, 53.5403,
39.6989

■ 33.8611, 47.6896,
11.3307


■ 49.9146, 55.1383,
49.4523


■ 32.2342, 46.8978,
9.1367


■ 53.7947, 56.8930,
60.7321


■ 30.8493, 46.2110,
7.8448


■ 58.0562, 58.8094,
73.5999

 29.7912, 45.6777,
7.2465

 62.7110, 60.8927,
88.1141

 67.5597, 63.0630,
103.2193

 69.6412, 64.1360,
103.3167

 71.8070, 65.2525,
103.4181

Harmonies

Analogous

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



47.9584, 50.7891, 20.8518



40.4289, 50.7891, 24.5021



35.5163, 50.7891, 35.9086

Triad

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



40.4289, 50.7891, 24.5021



40.9168, 50.7891, 106.2293



66.2029, 50.7891, 54.4012

Complementary

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



40.4289, 50.7891, 24.5021



28.3492, 22.8672, 56.9553

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.



63.7693, 50.7891, 80.6557



40.4289, 50.7891, 24.5021



48.5900, 50.7891, 115.3108

Square

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



40.4289, 50.7891, 24.5021



35.7743, 50.7891, 82.6871



57.0724, 50.7891, 104.8379



63.3899, 50.7891, 34.7468

Rectangle

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



40.4289, 50.7891, 24.5021



34.0641, 50.7891, 48.4953



57.0724, 50.7891, 104.8379



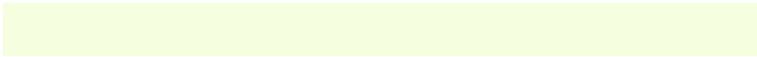
65.9694, 50.7891, 62.7147

Sweetspot

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



40.4302, 50.7913, 24.5032



86.7682, 96.2552, 84.8117



36.7898, 33.4758, 21.3528



18.3915, 20.5206, 17.6437



0.0000, 0.0000, 0.0000



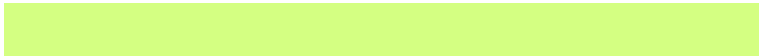
20.3446, 21.4041, 23.3091

Same Dimension

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



40.4302, 50.7913, 24.5032



67.0388, 87.1790, 34.4306



32.9445, 46.9323, 24.1529



11.1586, 12.2287, 11.3350



19.2523, 29.4202, 4.6640



0.9869, 1.4319, 0.2244

Inverse Universe

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



28.3492, 22.8672, 56.9553



43.2113, 32.0511, 98.5167



36.7600, 27.2032, 57.3489



10.3925, 10.4606, 13.3888



8.2449, 3.4846, 34.9824



0.4682, 0.2051, 1.6601

Previews

White Background



This preview shows how the XYZ color 40.4289, 50.7891, 24.5021 looks on a white background.

Color Contrast Check

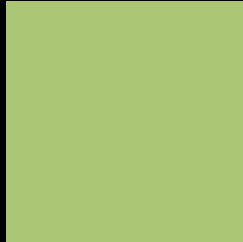
Large Text (above 18pt) WCAG AA × Fail

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 40.4289, 50.7891, 24.5021 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

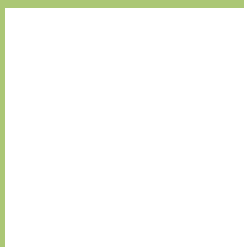
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.4289, 50.7891, 24.5021

Background



This preview shows how black text looks on a background with the XYZ color 40.4289, 50.7891, 24.5021.

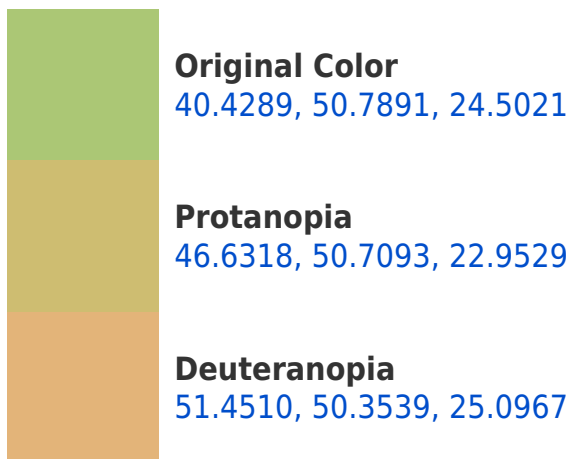


This preview shows how white text looks on a background with the XYZ color 40.4289, 50.7891,

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





Tritanopia

48.6251, 50.8221, 64.3736

Trichromacy



Original Color

40.4289, 50.7891, 24.5021

Protanomaly

44.0995, 50.6923, 23.3799

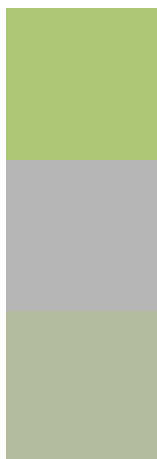
Deuteranomaly

46.8926, 50.1621, 24.9800

Tritanomaly

45.1068, 50.7022, 46.4388

Monochromacy



Original Color

40.4289, 50.7891, 24.5021

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

42.2862, 47.7822, 39.3419

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.4289, 50.7891, 24.5021 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, 199, 117)` looks like.

```
.text, #text, p{  
    color:rgb(171, 199, 117)  
}
```

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, 199, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 199, 117) }
```

Border

The CSS property to change the border of an element to XYZ 40.4289, 50.7891, 24.5021 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, 199, 117) }
```


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

```
.border{ border-color:rgb(171, 199, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 199, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(171, 199, 117); -webkit-box-shadow:4px 4px 4px 4px rgb(171, 199, 117); box-shadow:4px 4px 4px 4px rgb(171, 199, 117) }
```

Background

The CSS property to change the background color of an element to XYZ 40.4289, 50.7891, 24.5021 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 199, 117) }
```

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

```
.background{ background-color: rgb(171,  
199, 117) }
```

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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