

Converting Colors

XYZ(51.9020, 63.1094, 40.0291)

Have a look what the booklet for
XYZ(51.9020, 63.1094, 40.0291)
contains.

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Color

**XYZ(52.1393, 63.4231,
40.0657)**

Conversions

Conversions Part 1

Format	Color
Hex	BEDA9A
RGB	190, 218, 154
RGB Percent	75%, 85%, 60%
CMY	0.2549, 0.1451, 0.3961
CMYK	0.13, 0.00, 0.29, 0.15
HSL	86°, 46%, 73%
HSV	86°, 29%, 85%
XYZ	52.1393, 63.4231, 40.0657
YIQ	202.3320, 3.8560, -25.8400

Conversions

Conversions Part 2

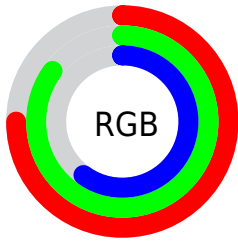
Format	Color
RYB	154, 218, 182
Decimal	12507802
CIELab	83.66, -20.28, 28.52
CIELCh	84, 34.996, 125.425
Yxy	63.4231, 0.3350, 0.4075
Android (android.graphics.Color)	4290697882 (0xFFBEDA9A)
YUV	202.3320, -23.8277, -10.8152
Hunter-Lab	79.6386, -22.5039, 25.9186

Details

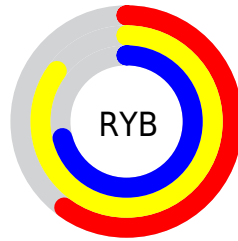
The XYZ color **52.1393, 63.4231, 40.0657** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **43.5046, 38.1201, 71.3983**, and the grayscale version is **56.4903, 59.4322, 64.7217**.

A 20% lighter version of the original color is **85.6264, 95.8976, 74.3187**, and **25.6488, 32.3879, 17.4700** is the 20% darker color. If you saturate the color by 10%, you get **48.1814, 61.5758, 31.2481**, and if you desaturate by 10%, it is **56.5862, 65.4883, 50.6301**.

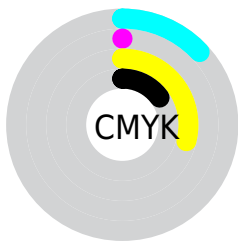
Distribution



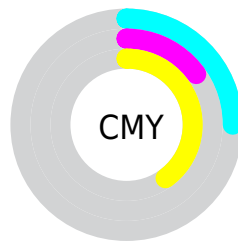
- Red (75%)
- Green (85%)
- Blue (60%)



- Red (60%)
- Yellow (85%)
- Blue (71%)



- Cyan (13%)
- Magenta (0%)
- Yellow (29%)
- Black (15%)





- Cyan (25%)
- Magenta (15%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.1393, 63.4231, 40.0657 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 52.1393, 63.4231, 40.0657 by changing the saturation by 10% instead.


 52.1393, 63.4231,
40.0657


 52.1393, 63.4231,
40.0657


385.2893,
437.1034, 361.9607

 37.3408, 46.1836,
27.2756


 92.5097, 109.7797,
76.5017

 25.6464, 32.3907,
17.5460


 118.8123,
139.6655, 100.9847

 16.6906, 21.6601,
10.4585


149.6803,
174.5356, 130.2025

 10.1081, 13.6074,
5.5944

185.4791,
214.7743, 164.5734

 5.5335, 7.8481,
2.5353

226.5741,
260.7661, 204.5162

 2.6015, 3.9979,
0.8588

273.3305,

 0.9467, 1.6724,

312.8952, 250.4493

0.0000

326.1138,
371.5462, 302.7913

■ 0.0000, 0.4057,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 52.1393, 63.4231,
40.0657

■ 52.1393, 63.4231,
40.0657

■ 48.1814, 61.5758,
31.2481

■ 56.5862, 65.4883,
50.6301

■ 44.6868, 59.9293,
24.0789

■ 61.5367, 67.7712,
63.0242

■ 41.6345, 58.4771,
18.4563

■ 67.0105, 70.2821,
77.3308

■ 38.9996, 57.2088,
14.2657

■ 73.0250, 73.0282,
93.6261

■ 36.7542, 56.1128,
11.3763

■ 78.2804, 75.4900,
105.0529

■ 34.8654, 55.1757,
9.6335

■ 81.5632, 77.1823,
105.2066

■ 33.2814, 54.3763,
8.7817

■ 84.3628, 78.6255,
105.3376

■ 33.1862, 54.3282,
8.7373

Harmonies

Analogous

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



58.8997, 63.4231, 34.9942



52.1393, 63.4231, 40.0657



47.8520, 63.4231, 52.9540

Triad

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



52.1393, 63.4231, 40.0657



54.3600, 63.4231, 114.9725



76.1696, 63.4231, 65.1445

Complementary

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



52.1393, 63.4231, 40.0657



43.5046, 38.1201, 71.3983

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.



74.6966, 63.4231, 88.1324



52.1393, 63.4231, 40.0657



61.6853, 63.4231, 120.1518

Square

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



52.1393, 63.4231, 40.0657



49.0560, 63.4231, 96.5135



69.2306, 63.4231, 109.4599



73.1013, 63.4231, 47.3744

Rectangle

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



52.1393, 63.4231, 40.0657



46.7566, 63.4231, 65.7457



69.2306, 63.4231, 109.4599



76.1919, 63.4231, 72.4776

Sweetspot

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



52.1409, 63.4259, 40.0671



87.9741, 96.7540, 90.4198



51.4220, 50.5876, 37.6269



18.5977, 20.6024, 18.7598



0.0000, 0.0000, 0.0000



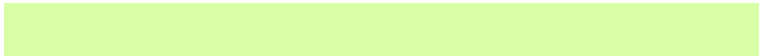
20.3446, 21.4041, 23.3091

Same Dimension

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



52.1409, 63.4259, 40.0671



70.9235, 88.8550, 49.3689



45.0592, 59.7751, 39.7356



13.5837, 14.9656, 13.8983



20.0065, 32.6112, 5.2401



1.3944, 2.1634, 0.3441

Inverse Universe

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



43.5046, 38.1201, 71.3983



56.7631, 47.3526, 100.7560



51.8668, 42.4309, 71.7896



12.8766, 12.8945, 16.4624



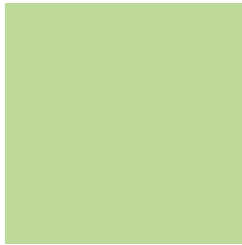
10.5520, 4.5639, 40.0632



0.7814, 0.3461, 2.6001

Previews

White Background



This preview shows how the XYZ color 52.1393, 63.4231, 40.0657 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 52.1393, 63.4231, 40.0657 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 52.1393, 63.4231, 40.0657

Background



This preview shows how black text looks on a background with the XYZ color 52.1393, 63.4231, 40.0657.



This preview shows how white text looks on a background with the XYZ color 52.1393, 63.4231,

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



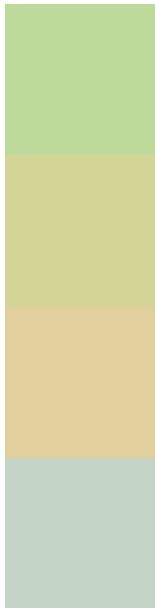
Original Color
52.1393, 63.4231, 40.0657
Protanopia
58.8014, 63.1611, 37.9463
Deuteranopia
64.4820, 63.1897, 41.1460



Tritanopia

60.2105, 63.3165, 80.2820

Trichromacy



Original Color

52.1393, 63.4231, 40.0657

Protanomaly

56.2808, 63.3184, 38.5335

Deuteranomaly

59.4500, 63.0675, 40.9382

Tritanomaly

56.6172, 62.9463, 63.1986

Monochromacy



Original Color

52.1393, 63.4231, 40.0657

Achromatopsia

56.1383, 59.0619, 64.3184

Achromatomaly

54.6015, 60.6203, 54.7220

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.1393, 63.4231, 40.0657 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(190, 218, 154)` looks like.

```
.text, #text, p{  
    color:rgb(190, 218, 154)  
}
```

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(190, 218, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 218, 154) }
```

Border

The CSS property to change the border of an element to XYZ 52.1393, 63.4231, 40.0657 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(190, 218, 154) }
```


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

```
.border{ border-color:rgb(190, 218, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 218, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 218, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 218, 154);  
box-shadow:4px 4px 4px 4px rgb(190, 218,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 52.1393, 63.4231, 40.0657 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 218, 154) }
```

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

```
.background{ background-color: rgb(190,  
218, 154) }
```

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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