

Converting Colors

XYZ(40.8261, 50.7255, 20.6912)

Have a look what the booklet for
XYZ(40.8261, 50.7255, 20.6912)
contains.

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Color

**XYZ(40.8242, 50.7348,
20.7378)**

Conversions

Conversions Part 1

Format	Color
Hex	B1C668
RGB	177, 198, 104
RGB Percent	69%, 78%, 41%
CMY	0.3059, 0.2235, 0.5921
CMYK	0.11, 0.00, 0.47, 0.22
HSL	73°, 45%, 59%
HSV	73°, 47%, 78%
XYZ	40.8242, 50.7348, 20.7378
YIQ	181.0050, 17.6580, -33.6860

Conversions

Conversions Part 2

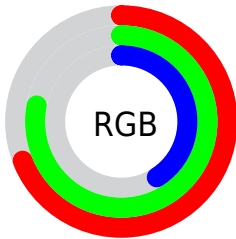
Format	Color
RYB	104, 198, 125
Decimal	11650664
CIELab	76.52, -21.53, 44.44
CIElCh	77, 49.386, 115.852
Yxy	50.7348, 0.3635, 0.4518
Android (android.graphics.Color)	4289840744 (0xFFB1C668)
YUV	181.0050, -37.9635, -3.5124
Hunter-Lab	71.2284, -22.3432, 32.5979

Details

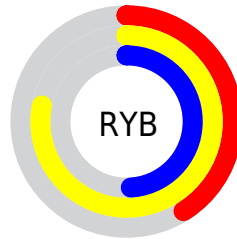
The XYZ color **40.8242, 50.7348, 20.7378** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **23.6028, 18.3392, 55.7250**, and the grayscale version is **44.1170, 46.4145, 50.5454**.

A 20% lighter version of the original color is **75.7775, 91.4467, 45.5554**, and **18.7842, 24.4145, 7.0906** is the 20% darker color. If you saturate the color by 10%, you get **38.9432, 49.8696, 16.0023**, and if you desaturate by 10%, it is **42.9766, 51.7159, 26.7206**.

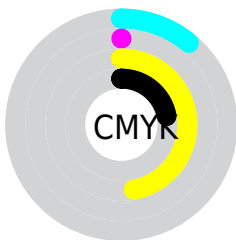
Distribution



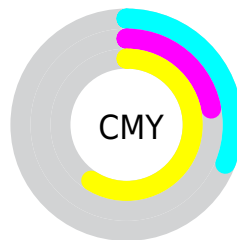
- Red (69%)
- Green (78%)
- Blue (41%)



- Red (41%)
- Yellow (78%)
- Blue (49%)



- Cyan (11%)
- Magenta (0%)
- Yellow (47%)
- Black (22%)



- Cyan (31%)
- Magenta (22%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.8242, 50.7348, 20.7378 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 40.8242, 50.7348, 20.7378 by changing the saturation by 10% instead.

■ 40.8242, 50.7348,
20.7378

■ 40.8242, 50.7348,
20.7378

340.6605,
389.5325, 268.6169

■ 28.3688, 35.9976,
12.7431

■ 75.6933, 91.2626,
45.5259

■ 18.7457, 24.4323,
7.1232

■ 98.8378, 117.8221,
63.1563

■ 11.5896, 15.6546,
3.4597

■ 126.2760,
149.0910, 84.8358

■ 6.5351, 9.2801,
1.3339

■ 158.3733,
185.4539, 110.9827

■ 3.2168, 4.9243,
0.0893

195.4950,
227.2951, 142.0158

■ 1.2694, 2.2029,
0.0000

238.0066,

■ 0.1602, 0.7216,

274.9990, 178.3535

0.0000

286.2733,
328.9500, 220.4143

■ 0.0000, 0.0000,
0.0000

■ 40.8242, 50.7348,
20.7378

■ 40.8242, 50.7348,
20.7378

■ 38.9432, 49.8696,
16.0023

■ 42.9766, 51.7159,
26.7206

■ 37.3126, 49.1066,
12.4225

■ 45.4120, 52.8122,
34.0272

■ 35.9146, 48.4403,
9.8995


■ 48.1459, 54.0317,
42.7320


■ 34.7265, 47.8616,
8.3164


■ 51.1915, 55.3798,
52.9027


■ 33.7166, 47.3578,
7.5075


■ 54.5610, 56.8614,
64.6027

 33.4760, 47.2369,
7.3533

 58.2661, 58.4811,
77.8917

 62.3178, 60.2435,
92.8261

 65.5109, 61.6665,
103.0578

 66.8072, 62.3347,
103.1184

Harmonies

Analogous

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



49.5295, 50.7348, 18.2430



40.8242, 50.7348, 20.7378



34.8629, 50.7348, 31.1557

Triad

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



40.8242, 50.7348, 20.7378



38.8482, 50.7348, 109.5130



68.3884, 50.7348, 59.0368

Complementary

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



40.8242, 50.7348, 20.7378



23.6028, 18.3392, 55.7250

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.



64.6200, 50.7348, 89.3382



40.8242, 50.7348, 20.7378



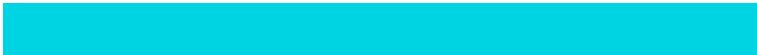
46.9376, 50.7348, 123.8443

Square

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



40.8242, 50.7348, 20.7378



33.8294, 50.7348, 80.7707



56.4633, 50.7348, 115.4750



66.2080, 50.7348, 35.7531

Rectangle

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



40.8242, 50.7348, 20.7378



32.8525, 50.7348, 43.6254



56.4633, 50.7348, 115.4750



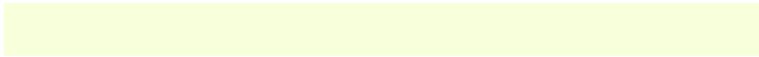
67.7635, 50.7348, 68.7559

Sweetspot

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



40.8254, 50.7371, 20.7389



86.9515, 96.4286, 81.2548



33.0429, 27.5141, 16.6666



18.3659, 20.5309, 16.5829



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.



40.8254, 50.7371, 20.7389



68.8394, 88.2501, 28.0579



31.9979, 46.1863, 20.3258



11.2831, 12.2929, 11.3408



21.8453, 30.7569, 4.7853



1.0932, 1.4867, 0.2293

Inverse Universe

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



23.6028, 18.3392, 55.7250



34.7658, 24.0587, 97.4192



32.0197, 22.6782, 56.1189



10.2747, 10.3999, 13.3833



7.3728, 3.0351, 34.9416



0.4137, 0.1770, 1.6575

Previews

White Background



This preview shows how the XYZ color 40.8242, 50.7348, 20.7378 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 40.8242, 50.7348, 20.7378 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

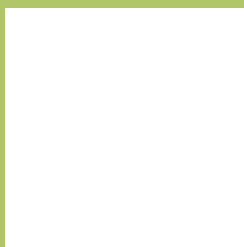
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.8242, 50.7348, 20.7378

Background



This preview shows how black text looks on a background with the XYZ color 40.8242, 50.7348, 20.7378.



This preview shows how white text looks on a background with the XYZ color 40.8242, 50.7348,

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

40.8242, 50.7348, 20.7378

Protanopia

46.5590, 50.7447, 19.6527

Deuteranopia

51.3411, 50.3832, 21.2063



Tritanopia

49.4173, 50.6237, 63.0439

Trichromacy



Original Color

40.8242, 50.7348, 20.7378

Protanomaly

44.2739, 50.5289, 19.9899

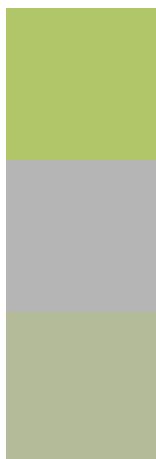
Deuteranomaly

47.0025, 50.3038, 21.1422

Tritanomaly

45.5213, 50.3291, 43.3916

Monochromacy



Original Color

40.8242, 50.7348, 20.7378

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

42.3425, 47.5439, 37.0822

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.8242, 50.7348, 20.7378 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(177, 198, 104)` looks like.

```
.text, #text, p{  
    color:rgb(177, 198, 104)  
}
```

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(177, 198, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 198, 104) }
```

Border

The CSS property to change the border of an element to XYZ 40.8242, 50.7348, 20.7378 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(177, 198, 104) }
```


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

```
.border{ border-color:rgb(177, 198, 104) }
```

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

Here you see how a box with a 4 pixel rgb(177, 198, 104) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 198, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 198, 104);  
box-shadow:4px 4px 4px 4px rgb(177, 198,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 40.8242, 50.7348, 20.7378 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 198, 104) }
```

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

```
.background{ background-color: rgb(177,  
198, 104) }
```

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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