

Converting Colors

XYZ(40.2279, 49.9122, 25.6368)

Have a look what the booklet for
XYZ(40.2279, 49.9122, 25.6368)
contains.

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Color

**XYZ(40.2120, 49.9709,
25.6151)**

Conversions

Conversions Part 1

Format	Color
Hex	ABC579
RGB	171, 197, 121
RGB Percent	67%, 77%, 47%
CMY	0.3294, 0.2274, 0.5255
CMYK	0.13, 0.00, 0.39, 0.23
HSL	81°, 40%, 62%
HSV	81°, 39%, 77%
XYZ	40.2120, 49.9709, 25.6151
YIQ	180.5620, 8.9000, -29.1480

Conversions

Conversions Part 2

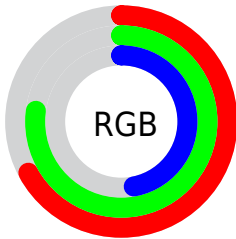
Format	Color
RYB	121, 197, 147
Decimal	11257209
CIELab	76.05, -21.42, 35.24
CIElCh	76, 41.242, 121.287
Yxy	49.9709, 0.3473, 0.4315
Android (android.graphics.Color)	4289447289 (0xFFABC579)
YUV	180.5620, -29.3641, -8.3859
Hunter-Lab	70.6901, -22.1681, 27.9989

Details

The XYZ color **40.2120, 49.9709, 25.6151** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **28.9501, 23.9104, 55.9155**, and the grayscale version is **43.8356, 46.1185, 50.2230**.

A 20% lighter version of the original color is **74.7603, 90.2705, 53.5281**, and **18.2959, 23.8818, 9.6066** is the 20% darker color. If you saturate the color by 10%, you get **37.6945, 48.8003, 19.8223**, and if you desaturate by 10%, it is **43.0536, 51.2832, 32.7129**.

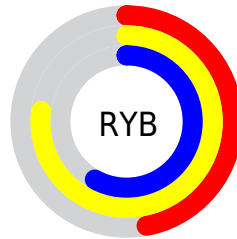
Distribution



Red (67%)

Green (77%)

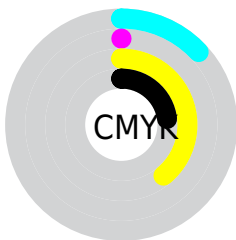
Blue (47%)



Red (47%)

Yellow (77%)

Blue (58%)

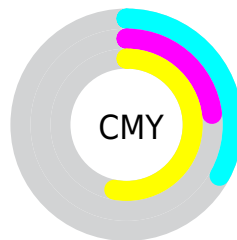


Cyan (13%)

Magenta (0%)

Yellow (39%)

Black (23%)



Cyan (33%)

Magenta (23%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.2120, 49.9709, 25.6151 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 40.2120, 49.9709, 25.6151 by changing the saturation by 10% instead.

■ 40.2120, 49.9709,
25.6151

■ 40.2120, 49.9709,
25.6151

338.1354,
386.5521, 294.4326

■ 27.8888, 35.3903,
16.3127

■ 74.7685, 90.1318,
53.6298

■ 18.3819, 23.9637,
9.5890

■ 97.7326, 116.4808,
73.1792

■ 11.3259, 15.3067,
5.0253

■ 124.9743,
147.5214, 96.9814

■ 6.3554, 9.0349,
2.2031

156.8591,
183.6380, 125.4548

■ 3.1050, 4.7640,
0.6762

193.7522,
225.2150, 159.0182

■ 1.2096, 2.1094,
0.0000

236.0191,

■ 0.1139, 0.6699,

272.6367, 198.0899

0.0000

284.0250,
326.2876, 243.0885

■ 0.0000, 0.0000,
0.0000

■ 40.2120, 49.9709,
25.6151

■ 40.2120, 49.9709,
25.6151

■ 37.6945, 48.8003,
19.8223

■ 43.0536, 51.2832,
32.7129

■ 35.4813, 47.7582,
15.2515

■ 46.2305, 52.7367,
41.1855

■ 33.5555, 46.8395,
11.8155


■ 49.7578, 54.3393,
51.1014


■ 31.8970, 46.0359,
9.4140


■ 53.6486, 56.0963,
62.5237


■ 30.4823, 45.3380,
7.9291


■ 57.9151, 58.0127,
75.5117


 29.2742, 44.7307,
7.1714

 62.5689, 60.0933,
90.1217

 29.1118, 44.6488,
7.0837

 66.9859, 62.0885,
103.0615

 69.0453, 63.1501,
103.1579

 71.1876, 64.2545,
103.2581

Harmonies

Analogous

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



47.1640, 49.9709, 22.0664



40.2120, 49.9709, 25.6151



35.6544, 49.9709, 36.4698

Triad

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



40.2120, 49.9709, 25.6151



40.7298, 49.9709, 100.7335



63.8949, 49.9709, 53.4628

Complementary

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



40.2120, 49.9709, 25.6151



28.9501, 23.9104, 55.9155

Split Complementary

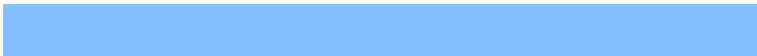
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



61.7056, 49.9709, 77.4380



40.2120, 49.9709, 25.6151



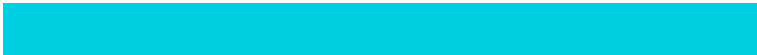
47.8292, 49.9709, 108.7871

Square

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



40.2120, 49.9709, 25.6151



35.9299, 49.9709, 79.5443



55.6101, 49.9709, 99.3041



61.3104, 49.9709, 35.2207

Rectangle

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



40.2120, 49.9709, 25.6151



34.3086, 49.9709, 48.2338



55.6101, 49.9709, 99.3041



63.6914, 49.9709, 61.0918

Sweetspot

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



40.2132, 49.9731, 25.6162



86.7613, 96.2516, 84.8114



36.8093, 33.9131, 22.6957



18.3898, 20.5198, 17.6436



0.0000, 0.0000, 0.0000



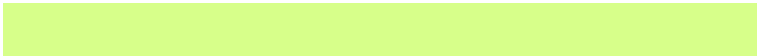
20.3446, 21.4041, 23.3091

Same Dimension

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



40.2132, 49.9731, 25.6162



68.3105, 87.7730, 37.2726



33.1975, 46.3564, 25.2878



11.1579, 12.2283, 11.3350



19.2395, 29.4136, 4.6634



0.9864, 1.4316, 0.2243

Inverse Universe

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



28.9501, 23.9104, 55.9155



45.4177, 34.7564, 98.9226



36.7644, 27.9388, 56.2812



10.3931, 10.4609, 13.3889



8.2507, 3.4877, 34.9827



0.4685, 0.2053, 1.6601

Previews

White Background



This preview shows how the XYZ color 40.2120, 49.9709, 25.6151 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 40.2120, 49.9709, 25.6151 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

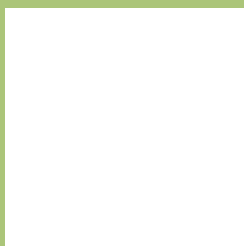
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.2120, 49.9709, 25.6151

Background



This preview shows how black text looks on a background with the XYZ color 40.2120, 49.9709, 25.6151.



This preview shows how white text looks on a background with the XYZ color 40.2120, 49.9709,

25.6151.

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

40.2120, 49.9709, 25.6151

Protanopia

45.8830, 49.6624, 23.9971

Deuteranopia

50.5622, 49.5682, 26.3047



Tritanopia

47.7224, 49.7500, 62.9646

Trichromacy



Original Color

40.2120, 49.9709, 25.6151

Protanomaly

43.6390, 49.7761, 24.4473

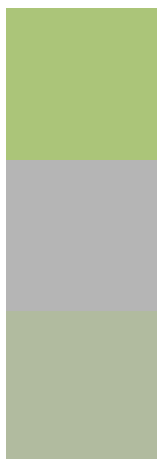
Deuteranomaly

46.3738, 49.5522, 26.1891

Tritanomaly

44.5337, 49.7437, 46.7895

Monochromacy



Original Color

40.2120, 49.9709, 25.6151

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

42.1598, 47.3910, 39.7262

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.2120, 49.9709, 25.6151 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, 197, 121)` looks like.

```
.text, #text, p{  
    color:rgb(171, 197, 121)  
}
```

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, 197, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 197, 121) }
```

Border

The CSS property to change the border of an element to XYZ 40.2120, 49.9709, 25.6151 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, 197, 121) }
```


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

```
.border{ border-color:rgb(171, 197, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 197, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 197, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 197, 121);  
box-shadow:4px 4px 4px 4px rgb(171, 197,  
121) }
```

Background

The CSS property to change the background color of an element to XYZ 40.2120, 49.9709, 25.6151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 197, 121) }
```

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

```
.background{ background-color: rgb(171,  
197, 121) }
```

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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