

Converting Colors

XYZ(40.2308, 54.7270, 19.4970)

Have a look what the booklet for
XYZ(40.2308, 54.7270, 19.4970)
contains.

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Color

**XYZ(40.2622, 54.7242,
19.5071)**

Conversions

Conversions Part 1

Format	Color
Hex	A3D260
RGB	163, 210, 96
RGB Percent	64%, 82%, 38%
CMY	0.3608, 0.1765, 0.6235
CMYK	0.22, 0.00, 0.54, 0.18
HSL	85°, 56%, 60%
HSV	85°, 54%, 82%
XYZ	40.2622, 54.7242, 19.5071
YIQ	182.9510, 8.5820, -45.4180

Conversions

Conversions Part 2

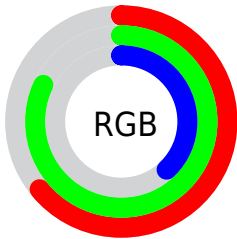
Format	Color
RYB	96, 210, 143
Decimal	10736224
CIELab	78.88, -33.46, 50.84
CIELCh	79, 60.867, 123.352
Yxy	54.7242, 0.3517, 0.4780
Android (android.graphics.Color)	4288926304 (0xFFA3D260)
YUV	182.9510, -42.8668, -17.4970
Hunter-Lab	73.9758, -32.3069, 36.1485

Details

The XYZ color **40.2622, 54.7242, 19.5071** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **27.1456, 18.8600, 63.1854**, and the grayscale version is **45.2085, 47.5629, 51.7960**.

A 20% lighter version of the original color is **70.7000, 88.9056, 41.8680**, and **18.3417, 26.8053, 6.4927** is the 20% darker color. If you saturate the color by 10%, you get **37.7094, 53.5071, 14.9975**, and if you desaturate by 10%, it is **43.1974, 56.1120, 25.3847**.

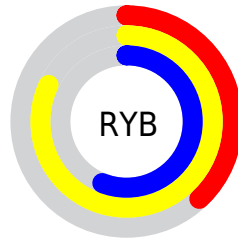
Distribution



Red (64%)

Green (82%)

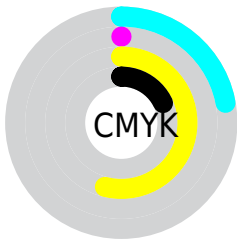
Blue (38%)



Red (38%)

Yellow (82%)

Blue (56%)

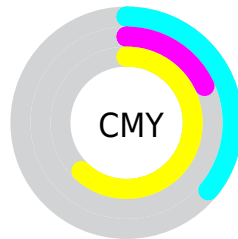


Cyan (22%)

Magenta (0%)

Yellow (54%)

Black (18%)



Cyan (36%)

Magenta (18%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.2622, 54.7242, 19.5071 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 40.2622, 54.7242, 19.5071 by changing the saturation by 10% instead.

■ 40.2622, 54.7242,
19.5071

■ 40.2622, 54.7242,
19.5071

338.3430,
404.8656, 261.7495

■ 27.9282, 39.1810,
11.8568

■ 74.8444, 97.1367,
43.4373

■ 18.4117, 26.9005,
6.5249

■ 97.8233, 124.7748,
60.5542

■ 11.3474, 17.4985,
3.0929

■ 125.0812,
157.2133, 81.6638

■ 6.3700, 10.5906,
1.1422

■ 156.9834,
194.8366, 107.1844

■ 3.1142, 5.7922,
0.0000

193.8954,
238.0291, 137.5348

■ 1.2144, 2.7192,
0.0000

236.1824,

■ 0.1177, 0.9869,

287.1752, 173.1334

0.0000

284.2098,
342.6592, 214.3988

■ 0.0000, 0.0000,
0.0000

■ 40.2622, 54.7242,
19.5071

■ 40.2622, 54.7242,
19.5071

■ 37.7094, 53.5071,
14.9975

■ 43.1974, 56.1120,
25.3847

■ 35.5114, 52.4438,
11.7413

■ 46.5319, 57.6721,
32.7256

■ 33.6427, 51.5257,
9.6113

■ 50.2866, 59.4147,
41.6207

■ 32.0712, 50.7396,
8.4513

■ 54.4792, 61.3472,
52.1525

■ 31.2759, 50.3372,
8.0676

■ 59.1263, 63.4767,
64.3977

■ 64.2438, 65.8097,
78.4279

■ 69.8466, 68.3522,
94.3111

■ 74.4643, 70.5166,
104.2941

■ 77.3492, 72.0038,
104.4291

Harmonies

Analogous

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



50.6676, 54.7242, 14.7978



40.2622, 54.7242, 19.5071



33.8959, 54.7242, 34.4565

Triad

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



40.2622, 54.7242, 19.5071



42.2778, 54.7242, 140.9895



78.8121, 54.7242, 55.7803

Complementary

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



40.2622, 54.7242, 19.5071



27.1456, 18.8600, 63.1854

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.



75.6535, 54.7242, 94.6699



40.2622, 54.7242, 19.5071



53.3835, 54.7242, 153.6956

Square

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



40.2622, 54.7242, 19.5071



34.9269, 54.7242, 104.1409



65.8546, 54.7242, 134.1960



73.9236, 54.7242, 29.9894

Rectangle

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



40.2622, 54.7242, 19.5071



32.1886, 54.7242, 52.2127



65.8546, 54.7242, 134.1960



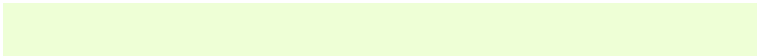
78.6587, 54.7242, 67.6213

Sweetspot

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



40.2635, 54.7266, 19.5083



83.2427, 94.5932, 77.6233



38.3053, 33.7752, 15.5675



17.5212, 20.1105, 15.8627



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.



40.2635, 54.7266, 19.5083



57.9839, 82.7673, 22.4259



31.2712, 50.0909, 19.0874



12.3125, 13.5446, 12.5775



19.1936, 30.7636, 4.9264



1.1622, 1.7660, 0.2796

Inverse Universe

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



27.1456, 18.8600, 63.1854



35.6634, 21.6341, 96.9039



39.2650, 25.1078, 63.7526



11.6188, 11.6523, 14.8804



9.5780, 4.1180, 37.4825



0.6248, 0.2762, 2.1000

Previews

White Background



This preview shows how the XYZ color 40.2622, 54.7242, 19.5071 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 40.2622, 54.7242, 19.5071 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 40.2622, 54.7242, 19.5071

Background



This preview shows how black text looks on a background with the XYZ color 40.2622, 54.7242, 19.5071.

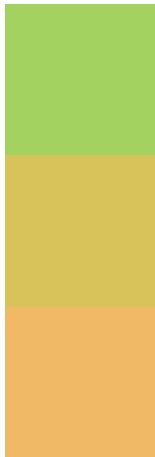


This preview shows how white text looks on a background with the XYZ color 40.2622, 54.7242,

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

40.2622, 54.7242, 19.5071

Protanopia

49.7223, 54.3845, 17.7741

Deuteranopia

55.3438, 54.0080, 20.0780



Tritanopia

50.7947, 54.7760, 70.8464

Trichromacy



Original Color

40.2622, 54.7242, 19.5071

Protanomaly

45.6560, 53.9692, 18.3667

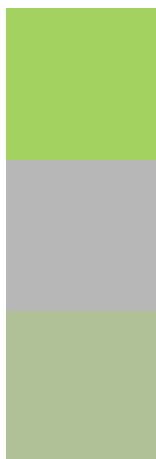
Deuteranomaly

48.4560, 53.3526, 19.8008

Tritanomaly

45.6098, 54.0276, 46.0547

Monochromacy



Original Color

40.2622, 54.7242, 19.5071

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

42.5604, 49.6044, 36.6096

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.2622, 54.7242, 19.5071 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(163, 210, 96)` looks like.

```
.text, #text, p{  
    color:rgb(163, 210, 96)  
}
```

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(163, 210, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 210, 96) }
```

Border

The CSS property to change the border of an element to XYZ 40.2622, 54.7242, 19.5071 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(163, 210, 96) }
```


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

```
.border{ border-color:rgb(163, 210, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 210, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 210, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 210, 96);  
box-shadow:4px 4px 4px 4px rgb(163, 210,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 40.2622, 54.7242, 19.5071 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 210, 96) }
```

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

```
.background{ background-color: rgb(163,  
210, 96) }
```

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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