

Converting Colors

XYZ(40.6973, 61.1597, 51.7647)

Have a look what the booklet for
XYZ(40.6973, 61.1597, 51.7647)
contains.

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Color

**XYZ(40.7090, 61.2425,
51.7949)**

Conversions

Conversions Part 1

Format	Color
Hex	61E4B2
RGB	97, 228, 178
RGB Percent	38%, 89%, 70%
CMY	0.6196, 0.1059, 0.3020
CMYK	0.57, 0.00, 0.22, 0.11
HSL	157°, 71%, 64%
HSV	157°, 57%, 89%
XYZ	40.7090, 61.2425, 51.7949
YIQ	183.1310, -62.0260, -43.3220

Conversions

Conversions Part 2

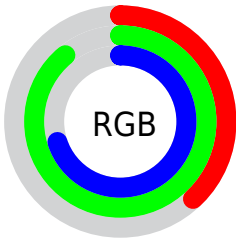
Format	Color
RYB	97, 178, 228
Decimal	6415538
CIELab	82.51, -47.71, 13.72
CIELCh	83, 49.645, 163.959
Yxy	61.2425, 0.2648, 0.3983
Android (android.graphics.Color)	4284605618 (0xFF61E4B2)
YUV	183.1310, -2.5296, -75.5369
Hunter-Lab	78.2576, -44.0964, 15.5391

Details

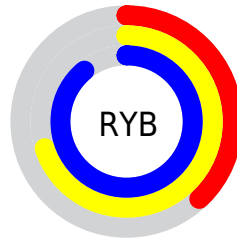
The XYZ color **40.7090, 61.2425, 51.7949** is a light color, and the websafe version is hex **33CC99**. A complement of this color would be **41.5380, 27.1513, 30.6573**, and the grayscale version is **45.1208, 47.4706, 51.6955**.

A 20% lighter version of the original color is **64.5159, 84.6286, 90.7765**, and **18.7228, 31.1242, 24.4228** is the 20% darker color. If you saturate the color by 10%, you get **37.7737, 59.8287, 47.2408**, and if you desaturate by 10%, it is **44.4010, 63.0432, 56.6765**.

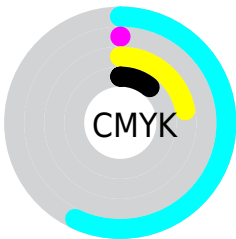
Distribution



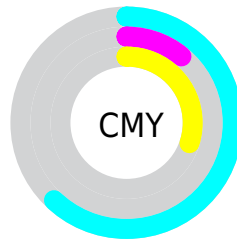
- Red (38%)
- Green (89%)
- Blue (70%)



- Red (38%)
- Yellow (70%)
- Blue (89%)



- Cyan (57%)
- Magenta (0%)
- Yellow (22%)
- Black (11%)





- Cyan (62%)
- Magenta (11%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.7090, 61.2425, 51.7949 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 40.7090, 61.2425, 51.7949 by changing the saturation by 10% instead.

 40.7090, 61.2425,
51.7949


 40.7090, 61.2425,
51.7949


340.1863,
429.1626, 410.5787


 28.2784, 44.4209,
36.4605


 75.5194, 106.6300,
94.2522


 18.6772, 31.0015,
24.4976


 98.6301, 135.9647,
122.2122

 11.5399, 20.6000,
15.4875


 126.0314,
170.2391, 155.2177

 6.5012, 12.8319,
9.0118

 158.0888,
209.8378, 193.6875

 3.1957, 7.3129,
4.6520

195.1676,
255.1451, 238.0399

 1.2581, 3.6586,
1.9894

237.6333,

 0.1515, 1.4845,

306.5454, 288.6935

0.5488

285.8510,
364.4231, 346.0670

■ 0.0000, 0.2778,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.7090, 61.2425,
51.7949

■ 40.7090, 61.2425,
51.7949

■ 37.7737, 59.8287,
47.2408

■ 44.4010, 63.0432,
56.6765

■ 35.5276, 58.7623,
43.0017


■ 48.9002, 65.2519,
61.8892


■ 33.8988, 58.0079,
39.0702


■ 54.2581, 67.8966,
67.4417


■ 32.7895, 57.5154,
35.4360

■ 60.5205, 71.0009,
73.3411


 32.5505, 57.4113,
34.5561

 67.7299, 74.5866,
79.5943

 75.9260, 78.6739,
86.2076

 84.5528, 82.9763,
93.1598

 85.8694, 83.5029,
100.0931

 87.0345, 83.9689,
106.2282

Harmonies

Analogous

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



45.1556, 61.2425, 32.8263



40.7090, 61.2425, 51.7949



40.5579, 61.2425, 81.8064

Triad

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



40.7090, 61.2425, 51.7949



63.2747, 61.2425, 141.0494



74.1780, 61.2425, 33.7717

Complementary

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



40.7090, 61.2425, 51.7949



41.5380, 27.1513, 30.6573

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.



80.3570, 61.2425, 53.5482



40.7090, 61.2425, 51.7949



73.5632, 61.2425, 118.2519

Square

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



40.7090, 61.2425, 51.7949



52.7477, 61.2425, 140.1453



80.1192, 61.2425, 84.1805



64.0352, 61.2425, 24.7939

Rectangle

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



40.7090, 61.2425, 51.7949



42.8634, 61.2425, 104.9700



80.1192, 61.2425, 84.1805



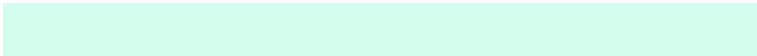
76.8395, 61.2425, 39.0620

Sweetspot

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



40.7107, 61.2449, 51.7963



78.3100, 91.6648, 94.8045



41.9744, 62.5755, 21.1760



16.3898, 19.4355, 19.9546



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.



40.7107, 61.2449, 51.7963



48.0486, 76.8084, 59.7804



42.6582, 55.5912, 81.8835



14.5621, 16.2382, 17.2245



18.8546, 33.1740, 20.2666



1.4382, 2.4694, 1.7344

Inverse Universe

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



41.5380, 27.1513, 30.6573



49.2442, 28.9410, 30.2700



39.9798, 29.0094, 14.8023



14.6035, 14.4586, 16.1124



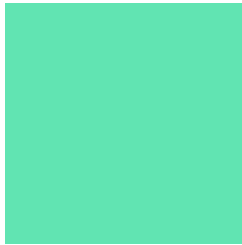
19.5225, 9.9432, 6.3803



1.4868, 0.7524, 0.7040

Previews

White Background



This preview shows how the XYZ color 40.7090, 61.2425, 51.7949 looks on a white background.

Color Contrast Check

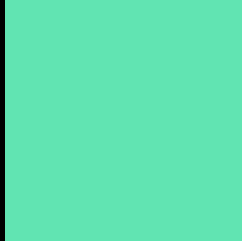
Large Text (above 18pt) WCAG AA × Fail

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 40.7090, 61.2425, 51.7949 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

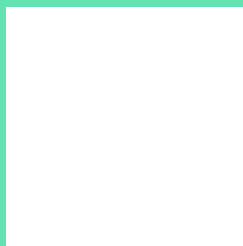
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.7090, 61.2425, 51.7949

Background



This preview shows how black text looks on a background with the XYZ color 40.7090, 61.2425, 51.7949.



This preview shows how white text looks on a background with the XYZ color 40.7090, 61.2425,

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

40.7090, 61.2425, 51.7949

Protanopia

56.5578, 60.0640, 44.6890

Deuteranopia

61.3563, 60.2583, 54.2961



Tritanopia

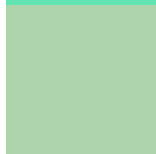
48.3619, 61.1414, 90.1414

Trichromacy



Original Color

40.7090, 61.2425, 51.7949



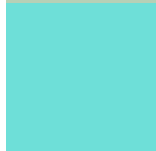
Protanomaly

48.0328, 58.8735, 46.8623



Deuteranomaly

50.2908, 58.4342, 52.8843



Tritanomaly

45.2128, 61.0482, 74.3663

Monochromacy



Original Color

40.7090, 61.2425, 51.7949



Achromatopsia

45.0092, 47.3531, 51.5676



Achromatomaly

41.7128, 50.8584, 51.3342

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.7090, 61.2425, 51.7949 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(97, 228, 178)` looks like.

```
.text, #text, p{  
    color:rgb(97, 228, 178)  
}
```

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(97, 228, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 228, 178) }
```

Border

The CSS property to change the border of an element to XYZ 40.7090, 61.2425, 51.7949 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(97, 228, 178) }
```


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

```
.border{ border-color:rgb(97, 228, 178) }
```

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

Here you see how a box with a 4 pixel rgb(97, 228, 178) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 228, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 228, 178);  
box-shadow:4px 4px 4px 4px rgb(97, 228,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 40.7090, 61.2425, 51.7949 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 228, 178) }
```

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

```
.background{ background-color: rgb(97, 228,  
178) }
```

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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