

Converting Colors

XYZ(40.1971, 47.9840, 61.2366)

Have a look what the booklet for
XYZ(40.1971, 47.9840, 61.2366)
contains.

XYZ(40.0262, 47.7524, 61.1404)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(40.0262, 47.7524,
61.1404)**

Conversions

Conversions Part 1

Format	Color
Hex	8BC1C7
RGB	139, 193, 199
RGB Percent	55%, 76%, 78%
CMY	0.4549, 0.2431, 0.2196
CMYK	0.30, 0.03, 0.00, 0.22
HSL	186°, 35%, 66%
HSV	186°, 30%, 78%
XYZ	40.0262, 47.7524, 61.1404
YIQ	177.5380, -34.1100, -9.5820

Conversions

Conversions Part 2

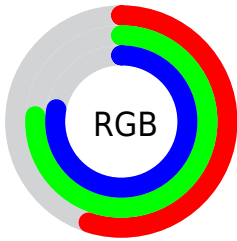
Format	Color
R_{YB}	139, 167, 199
Decimal	9159111
CIE _{Lab}	74.67, -16.04, -8.68
CIE _{LCh}	75, 18.233, 208.414
Yxy	47.7524, 0.2688, 0.3207
Android (android.graphics.Color)	4287349191 (0xFF8BC1C7)
YUV	177.5380, 10.5808, -33.7978
Hunter-Lab	69.1031, -17.5389, -4.0859

Details

The XYZ color **40.0262, 47.7524, 61.1404** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **38.3394, 34.2573, 29.0187**, and the grayscale version is **42.0330, 44.2219, 48.1577**.

A 20% lighter version of the original color is **74.4837, 87.0605, 107.4864**, and **18.1812, 22.4880, 30.1704** is the 20% darker color. If you saturate the color by 10%, you get **36.5647, 45.3206, 60.8543**, and if you desaturate by 10%, it is **44.1013, 50.5116, 61.4590**.

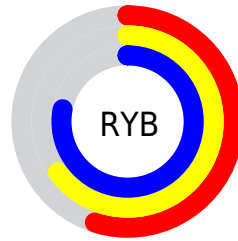
Distribution



Red (55%)

Green (76%)

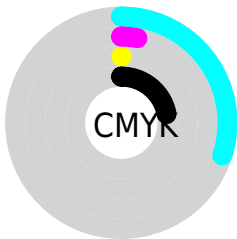
Blue (78%)



Red (55%)

Yellow (65%)

Blue (78%)

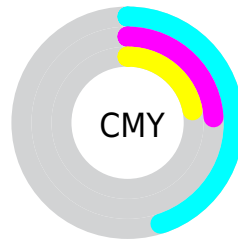


Cyan (30%)

Magenta (3%)

Yellow (0%)

Black (22%)



Cyan (45%)

Magenta (24%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.0262, 47.7524, 61.1404 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 40.0262, 47.7524, 61.1404 by changing the saturation by 10% instead.

■ 40.0262, 47.7524,
61.1404

■ 40.0262, 47.7524,
61.1404

337.3665,
377.8099, 446.7094

■ 27.7433, 33.6308,
43.9072

■ 74.4875, 86.8356,
108.0417

■ 18.2717, 22.6102,
30.2609

■ 97.3966, 112.5661,
138.5469

■ 11.2461, 14.3059,
19.7830

■ 124.5784,
142.9350, 174.3131

■ 6.3011, 8.3337,
12.0549

156.3984,
178.3268, 215.7590

■ 3.0714, 4.3092,
6.6581

193.2218,
219.1257, 263.3030

■ 1.1916, 1.8480,
3.1740

235.4141,

■ 0.0998, 0.5168,

265.7163, 317.3637

1.1842

283.3405,
318.4829, 378.3597

■ 0.0000, 0.0000,
0.0000

■ 40.0262, 47.7524,
61.1404

■ 40.0262, 47.7524,
61.1404

■ 36.5647, 45.3206,
60.8543

■ 44.1013, 50.5116,
61.4590

■ 33.6797, 43.1936,
60.5958

■ 48.8160, 53.6083,
61.8082

■ 31.3365, 41.3547,
60.3643

■ 54.2003, 57.0589,
62.1905

■ 29.4952, 39.7831,
60.1580

■ 60.2806, 60.8772,
62.6070

■ 28.1101, 38.4553,
59.9747

■ 67.0822, 65.0763,
63.0590

■ 27.1271, 37.3435,
59.8119

■ 73.3658, 69.0173,
63.4885

■ 26.4508, 36.4072,
59.6669

■ 73.8445, 69.9747,
63.6481

■ 74.3293, 70.9443,
63.8097

■ 74.8202, 71.9261,
63.9733

Harmonies

Analogous

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



39.3288, 47.7524, 51.4923



40.0262, 47.7524, 61.1404



42.1406, 47.7524, 69.0826

Triad

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



40.0262, 47.7524, 61.1404



51.0164, 47.7524, 62.1172



45.5633, 47.7524, 35.8463

Complementary

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



40.0262, 47.7524, 61.1404



38.3394, 34.2573, 29.0187

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.



48.7964, 47.7524, 37.9854



40.0262, 47.7524, 61.1404



52.0379, 47.7524, 52.4994

Square

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



40.0262, 47.7524, 61.1404



48.4775, 47.7524, 69.6930



51.2068, 47.7524, 43.8090



42.4311, 47.7524, 37.5784

Rectangle

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



40.0262, 47.7524, 61.1404



44.1233, 47.7524, 71.9302



51.2068, 47.7524, 43.8090



46.6750, 47.7524, 36.1309

Sweetspot

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



40.0276, 47.7543, 61.1415



86.3774, 94.4491, 108.2857



36.1059, 48.3504, 33.8161



18.2082, 20.0345, 23.1573



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.



40.0276, 47.7543, 61.1415



66.0973, 80.8317, 106.7261



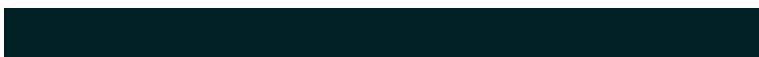
34.2327, 36.1644, 59.2098



10.8526, 11.8793, 13.6384



17.0448, 23.4835, 38.3788



0.8339, 1.1657, 1.8262

Inverse Universe

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



42.4126, 34.4587, 54.8700



70.9802, 54.1684, 93.7611



43.3504, 44.2793, 30.6890



11.0356, 10.7976, 13.1710



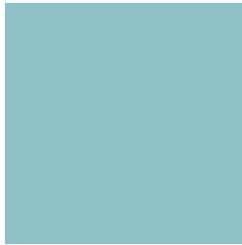
20.4027, 9.9107, 28.3944



0.9796, 0.4747, 1.4159

Previews

White Background



This preview shows how the XYZ color 40.0262, 47.7524, 61.1404 looks on a white background.

Color Contrast Check

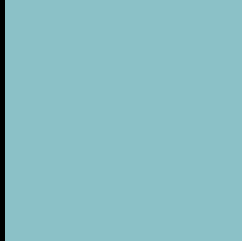
Large Text (above 18pt) WCAG AA × Fail

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 40.0262, 47.7524, 61.1404 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

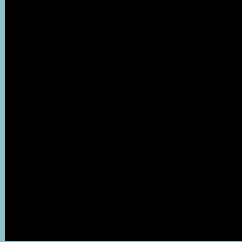
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.0262, 47.7524, 61.1404

Background



This preview shows how black text looks on a background with the XYZ color 40.0262, 47.7524, 61.1404.



This preview shows how white text looks on a background with the XYZ color 40.0262, 47.7524,

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

40.0262, 47.7524, 61.1404

Protanopia

46.0095, 47.4520, 56.6034

Deuteranopia

48.3193, 47.3115, 62.4625



Tritanopia

41.0966, 47.8670, 66.1047

Trichromacy



Original Color

40.0262, 47.7524, 61.1404

Protanomaly

43.5577, 47.3828, 58.4798

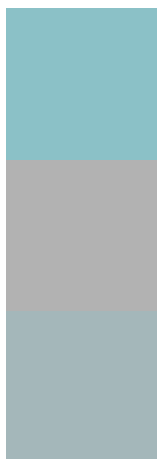
Deuteranomaly

44.7097, 46.9683, 61.9677

Tritanomaly

40.5639, 47.6344, 64.1831

Monochromacy



Original Color

40.0262, 47.7524, 61.1404

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

41.1063, 45.3047, 53.0325

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.0262, 47.7524, 61.1404 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(139, 193, 199)` looks like.

```
.text, #text, p{  
    color:rgb(139, 193, 199)  
}
```

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(139, 193, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 193, 199) }
```

Border

The CSS property to change the border of an element to XYZ 40.0262, 47.7524, 61.1404 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(139, 193, 199) }
```


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

```
.border{ border-color:rgb(139, 193, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 193, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 193, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 193, 199);  
box-shadow:4px 4px 4px 4px rgb(139, 193,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 40.0262, 47.7524, 61.1404 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 193, 199) }
```

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

```
.background{ background-color: rgb(139,  
193, 199) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor