

Converting Colors

XYZ(42.1846, 48.1873, 61.7213)

Have a look what the booklet for
XYZ(42.1846, 48.1873, 61.7213)
contains.

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Color

**XYZ(42.1930, 48.2040,
61.7241)**

Conversions

Conversions Part 1

Format	Color
Hex	99BFC8
RGB	153, 191, 200
RGB Percent	60%, 75%, 78%
CMY	0.4000, 0.2510, 0.2157
CMYK	0.23, 0.04, 0.00, 0.22
HSL	191°, 30%, 69%
HSV	191°, 23%, 78%
XYZ	42.1930, 48.2040, 61.7241
YIQ	180.6640, -25.5370, -5.2570

Conversions

Conversions Part 2

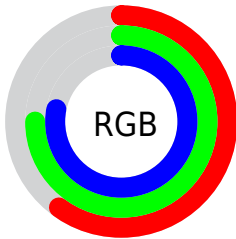
Format	Color
R_{YB}	153, 174, 200
Decimal	10076104
CIE _{Lab}	74.95, -10.62, -8.71
CIE _{LCh}	75, 13.734, 219.350
Y _{xy}	48.2040, 0.2774, 0.3169
Android (android.graphics.Color)	4288266184 (0xFF99BFC8)
Y _{UV}	180.6640, 9.5326, -24.2613
Hunter-Lab	69.4291, -13.0241, -4.1098

Details

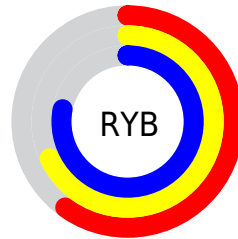
The XYZ color **42.1930, 48.2040, 61.7241** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **42.4901, 40.4202, 35.7005**, and the grayscale version is **43.7008, 45.9766, 50.0686**.

A 20% lighter version of the original color is **77.3232, 87.1514, 107.3543**, and **19.6436, 23.0190, 30.6019** is the 20% darker color. If you saturate the color by 10%, you get **37.9062, 44.7718, 61.2884**, and if you desaturate by 10%, it is **47.1373, 52.0100, 62.1989**.

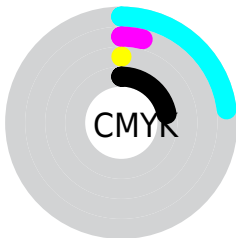
Distribution



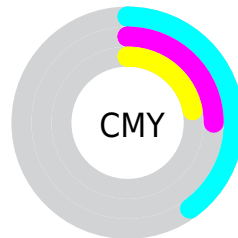
- Red (60%)
- Green (75%)
- Blue (78%)



- Red (60%)
- Yellow (68%)
- Blue (78%)



- Cyan (23%)
- Magenta (4%)
- Yellow (0%)
- Black (22%)



- Cyan (40%)
- Magenta (25%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.1930, 48.2040, 61.7241 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 42.1930, 48.2040, 61.7241 by changing the saturation by 10% instead.

■ 42.1930, 48.2040,
61.7241

■ 42.1930, 48.2040,
61.7241

346.2604,
379.6002, 448.9038

■ 29.4442, 33.9885,
44.3755

■ 77.7550, 87.5081,
108.8944

■ 19.5631, 22.8847,
30.6264

■ 101.2989,
113.3654, 139.5531

■ 12.1843, 14.5084,
20.0585

129.1718,
143.8721, 175.4857

■ 6.9424, 8.4751,
12.2531

161.7393,
179.4126, 217.1105

■ 3.4721, 4.4004,
6.7916

199.3665,
220.3712, 264.8462

■ 1.4081, 1.9000,
3.2557

242.4188,

■ 0.2620, 0.5484,

267.1324, 319.1113

1.2266

291.2617,
320.0806, 380.3243

■ 0.0000, 0.0000,
0.0005

■ 0.0000, 0.0000,
0.0000

■ 42.1930, 48.2040,
61.7241

■ 42.1930, 48.2040,
61.7241

■ 37.9062, 44.7718,
61.2884

■ 47.1373, 52.0100,
62.1989

■ 34.2407, 41.6909,
60.8869

■ 52.7641, 56.1993,
62.7110

■ 31.1638, 38.9453,
60.5191

■ 59.1027, 60.7883,
63.2627

■ 28.6375, 36.5152,
60.1832

■ 66.1790, 65.7908,
63.8553

■ 26.6195, 34.3786,
59.8771

■ 74.0178, 71.2198,
64.4900

■ 25.0610, 32.5100,
59.5986

■ 75.7063, 73.5117,
64.8434

■ 23.9030, 30.8788,
59.3448

■ 76.6866, 75.4724,
65.1702

■ 23.2952, 29.9096,
59.1897

■ 77.6899, 77.4790,
65.5046

■ 78.7163, 79.5317,
65.8468

Harmonies

Analogous

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



41.2277, 48.2040, 54.7584



42.1930, 48.2040, 61.7241



44.1393, 48.2040, 66.4763

Triad

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



42.1930, 48.2040, 61.7241



50.4715, 48.2040, 57.5008



45.0386, 48.2040, 40.0212

Complementary

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



42.1930, 48.2040, 61.7241



42.4901, 40.4202, 35.7005

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.



47.5356, 48.2040, 40.6106



42.1930, 48.2040, 61.7241



50.7337, 48.2040, 50.2773

Square

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



42.1930, 48.2040, 61.7241



48.9378, 48.2040, 63.8880



49.6416, 48.2040, 44.2189



42.8307, 48.2040, 42.5283

Rectangle

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



42.1930, 48.2040, 61.7241



45.7619, 48.2040, 67.5178



49.6416, 48.2040, 44.2189



45.8711, 48.2040, 39.8692

Sweetspot

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



42.1944, 48.2060, 61.7252



87.7047, 94.6094, 108.2466



40.2797, 50.6768, 41.6637



18.6430, 20.1543, 23.1575



0.0000, 0.0000, 0.0000



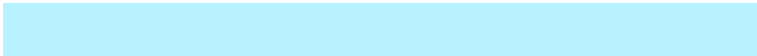
20.3446, 21.4041, 23.3091

Same Dimension

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



42.1944, 48.2060, 61.7252



69.2748, 80.4677, 106.4884



37.5443, 38.9057, 60.1752



10.7675, 11.7091, 13.6101



14.8742, 19.1422, 37.6552



0.7499, 0.9977, 1.7982

Inverse Universe

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



44.6158, 38.8246, 54.4347



74.2242, 61.7457, 91.4846



46.9435, 49.3270, 37.1849



10.9927, 10.7805, 12.9447



19.3071, 9.4724, 22.6249



0.9372, 0.4577, 1.1926

Previews

White Background



This preview shows how the XYZ color 42.1930, 48.2040, 61.7241 looks on a white background.

Color Contrast Check

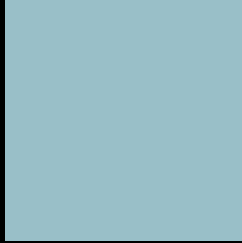
Large Text (above 18pt) WCAG AA × Fail

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 42.1930, 48.2040, 61.7241 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

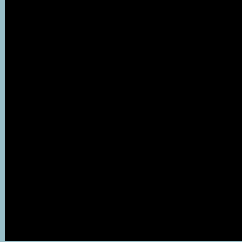
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.1930, 48.2040, 61.7241

Background



This preview shows how black text looks on a background with the XYZ color 42.1930, 48.2040, 61.7241.



This preview shows how white text looks on a background with the XYZ color 42.1930, 48.2040,

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

42.1930, 48.2040, 61.7241

Protanopia

46.5510, 47.9975, 58.4407

Deuteranopia

48.7731, 47.8419, 62.5409



Tritanopia

42.7593, 48.1047, 64.7891

Trichromacy



Original Color

42.1930, 48.2040, 61.7241

Protanomaly

44.8705, 48.0333, 59.7297

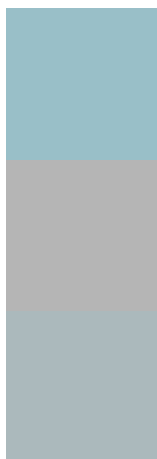
Deuteranomaly

45.8362, 47.5490, 62.0204

Tritanomaly

42.5194, 48.0087, 63.5255

Monochromacy



Original Color

42.1930, 48.2040, 61.7241

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

43.2206, 46.9867, 54.3683

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.1930, 48.2040, 61.7241 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(153, 191, 200)` looks like.

```
.text, #text, p{  
    color:rgb(153, 191, 200)  
}
```

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(153, 191, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 191, 200) }
```

Border

The CSS property to change the border of an element to XYZ 42.1930, 48.2040, 61.7241 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(153, 191, 200) }
```


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

```
.border{ border-color:rgb(153, 191, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 191, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(153, 191, 200); -webkit-box-shadow:4px 4px 4px 4px rgb(153, 191, 200); box-shadow:4px 4px 4px 4px rgb(153, 191, 200) }
```

Background

The CSS property to change the background color of an element to XYZ 42.1930, 48.2040, 61.7241 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 191, 200) }
```

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

```
.background{ background-color: rgb(153,  
191, 200) }
```

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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