

Converting Colors

XYZ(42.9322, 48.2929, 64.0988)

Have a look what the booklet for
XYZ(42.9322, 48.2929, 64.0988)
contains.

XYZ(42.8301, 48.1551, 64.1642)	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(42.8301, 48.1551,
64.1642)**

Conversions

Conversions Part 1

Format	Color
Hex	9BBECC
RGB	155, 190, 204
RGB Percent	61%, 75%, 80%
CMY	0.3921, 0.2549, 0.2000
CMYK	0.24, 0.07, 0.00, 0.20
HSL	197°, 32%, 70%
HSV	197°, 24%, 80%
XYZ	42.8301, 48.1551, 64.1642
YIQ	181.1310, -25.3540, -3.0660

Conversions

Conversions Part 2

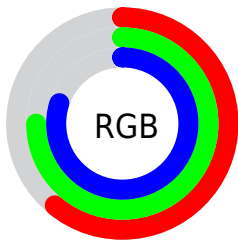
Format	Color
R _{YB}	155, 175, 204
Decimal	10206924
CIE _{Lab}	74.92, -8.58, -10.91
CIE _{LCh}	75, 13.881, 231.836
Yxy	48.1551, 0.2761, 0.3104
Android (android.graphics.Color)	4288397004 (0xFF9BBECC)
YUV	181.1310, 11.2744, -22.9169
Hunter-Lab	69.3939, -11.2686, -6.2461

Details

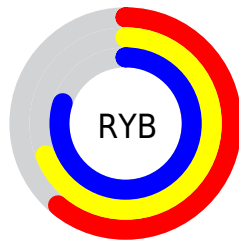
The XYZ color **42.8301, 48.1551, 64.1642** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **45.0067, 43.5801, 37.0511**, and the grayscale version is **43.9437, 46.2322, 50.3469**.

A 20% lighter version of the original color is **77.5841, 86.8332, 107.2791**, and **20.0442, 22.9769, 32.2327** is the 20% darker color. If you saturate the color by 10%, you get **38.0041, 43.8319, 63.5849**, and if you desaturate by 10%, it is **48.3709, 52.9242, 64.7935**.

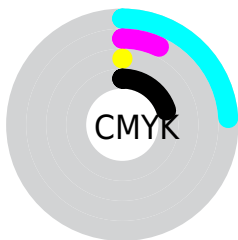
Distribution



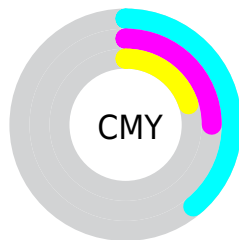
- Red (61%)
- Green (75%)
- Blue (80%)



- Red (61%)
- Yellow (69%)
- Blue (80%)



- Cyan (24%)
- Magenta (7%)
- Yellow (0%)
- Black (20%)



- Cyan (39%)
- Magenta (25%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.8301, 48.1551, 64.1642 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 42.8301, 48.1551, 64.1642 by changing the saturation by 10% instead.

■ 42.8301, 48.1551,
64.1642

■ 42.8301, 48.1551,
64.1642

348.8460,
379.4066, 458.0061

■ 29.9458, 33.9497,
46.3366

■ 78.7117, 87.4353,
112.4491

■ 19.9453, 22.8550,
32.1610

■ 102.4397,
113.2789, 143.7436

■ 12.4633, 14.4865,
21.2186

130.5130,
143.7707, 180.3641

■ 7.1345, 8.4598,
13.0911

163.2969,
179.2951, 222.7291

■ 3.5934, 4.3905,
7.3599

201.1568,
220.2365, 271.2573

■ 1.4748, 1.8943,
3.6063

244.4581,

■ 0.3086, 0.5450,

266.9793, 326.3672

1.4120

293.5660,
319.9078, 388.4773

■ 0.0000, 0.0000,
0.1510

■ 0.0000, 0.0000,
0.0000

■ 42.8301, 48.1551,
64.1642

■ 42.8301, 48.1551,
64.1642

■ 38.0041, 43.8319,
63.5849

■ 48.3709, 52.9242,
64.7935

■ 33.8548, 39.9303,
63.0505

■ 54.6535, 58.1503,
65.4711

■ 30.3469, 36.4326,
62.5603

■ 61.7090, 63.8514,
66.1997

■ 27.4400, 33.3170,
62.1121

■ 69.5653, 70.0428,
66.9807

■ 25.0889, 30.5593,
61.7037

■ 77.5079, 76.3570,
67.7808

■ 23.2414, 28.1317,
61.3325

■ 79.0563, 79.4538,
68.2969

■ 21.8344, 26.0007,
60.9954

■ 80.6585, 82.6583,
68.8310

■ 21.1357, 24.8326,
60.8067

■ 82.3150, 85.9713,
69.3832

■ 84.0263, 89.3939,
69.9536

Harmonies

Analogous

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



41.4023, 48.1551, 57.7861



42.8301, 48.1551, 64.1642



45.0828, 48.1551, 67.4639

Triad

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



42.8301, 48.1551, 64.1642



50.7549, 48.1551, 54.4355



43.9847, 48.1551, 40.5371

Complementary

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



42.8301, 48.1551, 64.1642



45.0067, 43.5801, 37.0511

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.



46.4641, 48.1551, 39.8185



42.8301, 48.1551, 64.1642



50.4345, 48.1551, 47.4206

Square

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



42.8301, 48.1551, 64.1642



49.7013, 48.1551, 61.5188



48.8414, 48.1551, 42.2261



42.0516, 48.1551, 44.2885

Rectangle

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



42.8301, 48.1551, 64.1642



46.7748, 48.1551, 67.2807



48.8414, 48.1551, 42.2261



44.7796, 48.1551, 39.9476

Sweetspot

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



42.8315, 48.1571, 64.1653



87.1800, 93.5599, 108.0717



42.2619, 53.0154, 45.4853



18.5213, 19.9108, 23.1169



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.



42.8315, 48.1571, 64.1653



66.5050, 75.8242, 105.7381



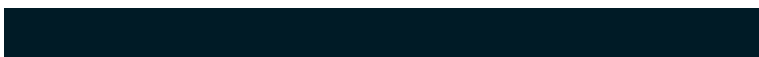
37.9843, 38.4625, 62.5495



11.2620, 12.1644, 14.3248



13.3857, 15.7954, 38.2996



0.7533, 0.9403, 1.9967

Inverse Universe

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



45.9186, 39.9989, 54.0178



72.6073, 60.2614, 85.5524



49.9739, 53.5145, 38.7068



11.5456, 11.3470, 13.4077



18.9674, 9.3975, 18.0788



1.0102, 0.4975, 1.0994

Previews

White Background



This preview shows how the XYZ color 42.8301, 48.1551, 64.1642 looks on a white background.

Color Contrast Check

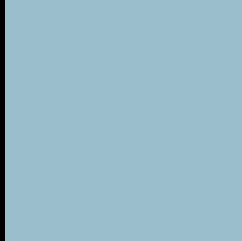
Large Text (above 18pt) WCAG AA × Fail

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 42.8301, 48.1551, 64.1642 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

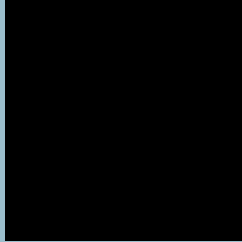
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.8301, 48.1551, 64.1642

Background



This preview shows how black text looks on a background with the XYZ color 42.8301, 48.1551, 64.1642.

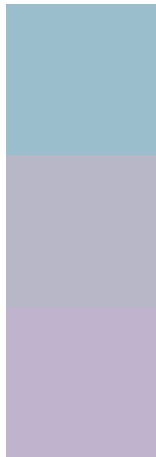


This preview shows how white text looks on a background with the XYZ color 42.8301, 48.1551,

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

42.8301, 48.1551, 64.1642

Protanopia

46.7707, 48.0578, 60.8438

Deuteranopia

48.7465, 47.7728, 65.0444



Tritanopia

42.9505, 48.2033, 64.7980

Trichromacy



Original Color

42.8301, 48.1551, 64.1642

Protanomaly

45.3351, 48.2191, 62.1761

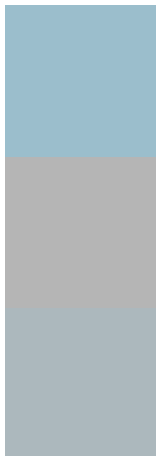
Deuteranomaly

46.3130, 47.7397, 64.5313

Tritanomaly

42.9505, 48.2033, 64.7980

Monochromacy



Original Color

42.8301, 48.1551, 64.1642

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

43.3391, 46.7258, 54.8789

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.8301, 48.1551, 64.1642 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(155, 190, 204)` looks like.

```
.text, #text, p{  
    color:rgb(155, 190, 204)  
}
```

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(155, 190, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 190, 204) }
```

Border

The CSS property to change the border of an element to XYZ 42.8301, 48.1551, 64.1642 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(155, 190, 204) }
```


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

```
.border{ border-color:rgb(155, 190, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 190, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 190, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 190, 204);  
box-shadow:4px 4px 4px 4px rgb(155, 190,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 42.8301, 48.1551, 64.1642 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 190, 204) }
```

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

```
.background{ background-color: rgb(155,  
190, 204) }
```

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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