

Converting Colors

XYZ(35.6404, 40.9705, 62.0316)

Have a look what the booklet for
XYZ(35.6404, 40.9705, 62.0316)
contains.

XYZ(35.6829, 41.0937, 61.9283)	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(35.6829, 41.0937,
61.9283)**

Conversions

Conversions Part 1

Format	Color
Hex	80B3CA
RGB	128, 179, 202
RGB Percent	50%, 70%, 79%
CMY	0.4980, 0.2980, 0.2078
CMYK	0.37, 0.11, 0.00, 0.21
HSL	199°, 41%, 65%
HSV	199°, 37%, 79%
XYZ	35.6829, 41.0937, 61.9283
YIQ	166.3730, -37.7790, -3.6590

Conversions

Conversions Part 2

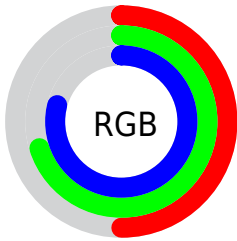
Format	Color
R _{YB}	128, 158, 202
Decimal	8434634
CIE Lab	70.24, -11.03, -17.01
CIE LCh	70, 20.278, 237.039
Yxy	41.0937, 0.2573, 0.2963
Android (android.graphics.Color)	4286624714 (0xFF80B3CA)
YUV	166.3730, 17.5641, -33.6531
Hunter-Lab	64.1044, -12.8228, -12.4043

Details

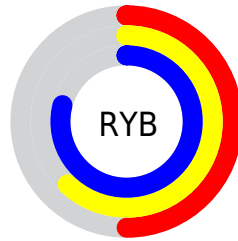
The XYZ color **35.6829, 41.0937, 61.9283** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **39.3208, 36.2490, 25.3476**, and the grayscale version is **36.3578, 38.2512, 41.6556**.

A 20% lighter version of the original color is **67.2868, 76.7039, 105.8667**, and **15.7078, 18.5557, 30.7707** is the 20% darker color. If you saturate the color by 10%, you get **31.7122, 37.2220, 61.3910**, and if you desaturate by 10%, it is **40.3183, 45.3950, 62.5149**.

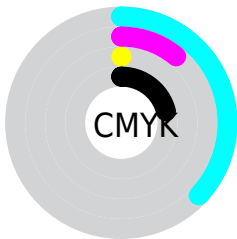
Distribution



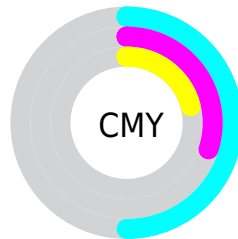
- Red (50%)
- Green (70%)
- Blue (79%)



- Red (50%)
- Yellow (62%)
- Blue (79%)



- Cyan (37%)
- Magenta (11%)
- Yellow (0%)
- Black (21%)



- Cyan (50%)
- Magenta (30%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.6829, 41.0937, 61.9283 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 35.6829, 41.0937, 61.9283 by changing the saturation by 10% instead.

■ 35.6829, 41.0937,
61.9283

■ 35.6829, 41.0937,
61.9283

319.0279,
350.7121, 449.6699

■ 24.3584, 28.3923,
44.5394

■ 67.8694, 76.8261,
109.1925

■ 15.7258, 18.6216,
30.7544

■ 89.4621, 100.6259,
139.9048

■ 9.4200, 11.3972,
20.1550

■ 115.2083,
128.8940, 175.8953

■ 5.0754, 6.3346,
12.3226

145.4732,
162.0147, 217.5826

■ 2.3268, 3.0496,
6.8386

180.6223,
200.3725, 265.3852

■ 0.8083, 1.1577,
3.2844

221.0208,

■ 0.0000, 0.0267,

244.3517, 319.7215

1.2416

267.0343,
294.3368, 381.0103

■ 0.0000, 0.0000,
0.0132

■ 0.0000, 0.0000,
0.0000

■ 35.6829, 41.0937,
61.9283

■ 35.6829, 41.0937,
61.9283

■ 31.7122, 37.2220,
61.3910

■ 40.3183, 45.3950,
62.5149

■ 28.3655, 33.7550,
60.8982

■ 45.6484, 50.1396,
63.1498

■ 25.6034, 30.6722,
60.4487

■ 51.7059, 55.3464,
63.8356

■ 23.3801, 27.9488,
60.0402

■ 58.5202, 61.0317,
64.5738

■ 21.6422, 25.5560,
59.6700

■ 66.1190, 67.2107,
65.3659

■ 20.3203, 23.4570,
59.3345

■ 74.5288, 73.8981,
66.2135

■ 19.9254, 22.7936,
59.2272

■ 78.2750, 78.2727,
66.8604

■ 79.9831, 81.6889,
67.4298

■ 81.7541, 85.2309,
68.0201

Harmonies

Analogous

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



33.6372, 41.0937, 53.5927



35.6829, 41.0937, 61.9283



38.7291, 41.0937, 65.6286

Triad

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



35.6829, 41.0937, 61.9283



45.7958, 41.0937, 45.6962



36.2240, 41.0937, 30.3393

Complementary

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



35.6829, 41.0937, 61.9283



39.3208, 36.2490, 25.3476

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.



39.3894, 41.0937, 28.8392



35.6829, 41.0937, 61.9283



45.0327, 41.0937, 36.9273

Square

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



35.6829, 41.0937, 61.9283



44.6707, 41.0937, 55.4609



42.6402, 41.0937, 31.0749



33.9369, 41.0937, 35.5051

Rectangle

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



35.6829, 41.0937, 61.9283



40.9615, 41.0937, 64.6279



42.6402, 41.0937, 31.0749



37.2151, 41.0937, 29.4245

Sweetspot

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



35.6842, 41.0953, 61.9293



82.7545, 89.6262, 107.5457



35.5448, 49.0396, 36.5320



17.4120, 18.9249, 22.9851



0.0000, 0.0000, 0.0000



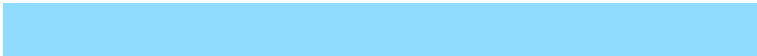
20.3446, 21.4041, 23.3091

Same Dimension

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



35.6842, 41.0953, 61.9293



54.9702, 64.2960, 104.1209



29.3563, 28.4396, 59.8200



11.2377, 12.1158, 14.3167



12.9040, 14.8320, 38.1390



0.7314, 0.8965, 1.9894

Inverse Universe

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



40.2141, 31.2508, 46.5621



63.9679, 46.0191, 73.3110



46.0671, 49.7416, 27.5964



11.5333, 11.3421, 13.3432



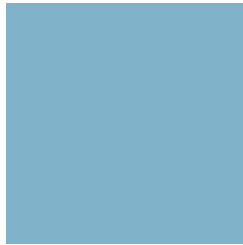
18.7243, 9.3003, 16.7985



0.9991, 0.4930, 1.0412

Previews

White Background



This preview shows how the XYZ color 35.6829, 41.0937, 61.9283 looks on a white background.

Color Contrast Check

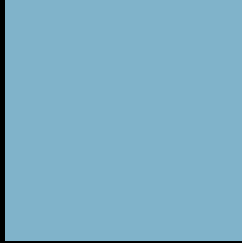
Large Text (above 18pt) WCAG AA × Fail

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 35.6829, 41.0937, 61.9283 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 35.6829, 41.0937, 61.9283

Background



This preview shows how black text looks on a background with the XYZ color 35.6829, 41.0937, 61.9283.



This preview shows how white text looks on a background with the XYZ color 35.6829, 41.0937,

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

35.6829, 41.0937, 61.9283

Protanopia

40.2749, 40.9505, 58.0061

Deuteranopia

41.5124, 40.6550, 62.7860



Tritanopia

34.7758, 41.0183, 57.7142

Trichromacy



Original Color

35.6829, 41.0937, 61.9283

Protanomaly

38.2735, 40.7367, 59.2718

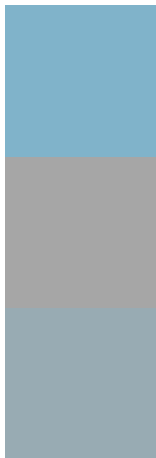
Deuteranomaly

38.8600, 40.4062, 62.2509

Tritanomaly

35.2667, 41.2318, 59.5259

Monochromacy



Original Color

35.6829, 41.0937, 61.9283

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

35.6485, 39.0559, 48.3075

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.6829, 41.0937, 61.9283 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(128, 179, 202)` looks like.

```
.text, #text, p{  
    color:rgb(128, 179, 202)  
}
```

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(128, 179, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 179, 202) }
```

Border

The CSS property to change the border of an element to XYZ 35.6829, 41.0937, 61.9283 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(128, 179, 202) }
```


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

```
.border{ border-color:rgb(128, 179, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 179, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 179, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 179, 202);  
box-shadow:4px 4px 4px 4px rgb(128, 179,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 35.6829, 41.0937, 61.9283 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 179, 202) }
```

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

```
.background{ background-color: rgb(128,  
179, 202) }
```

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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