

Converting Colors

XYZ(21.7089, 35.0209, 10.1730)

Have a look what the booklet for
XYZ(21.7089, 35.0209, 10.1730)
contains.

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Color

**XYZ(21.7089, 35.0209,
10.1730)**

Conversions

Conversions Part 1

Format	Color
Hex	5FB33E
RGB	95, 179, 62
RGB Percent	37%, 70%, 24%
CMY	0.6275, 0.2980, 0.7568
CMYK	0.47, 0.00, 0.65, 0.30
HSL	103°, 49%, 47%
HSV	103°, 65%, 70%
XYZ	21.7089, 35.0209, 10.1730
YIQ	140.5460, -12.5070, -54.1950

Conversions

Conversions Part 2

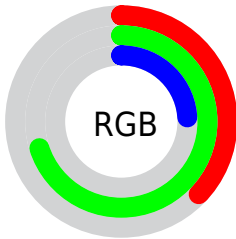
Format	Color
RYB	62, 179, 146
Decimal	6271806
CIELab	65.76, -46.80, 50.22
CIELCh	66, 68.647, 132.980
Yxy	35.0209, 0.3245, 0.5235
Android (android.graphics.Color)	4284461886 (0xFF5FB33E)
YUV	140.5460, -38.7232, -39.9438
Hunter-Lab	59.1785, -38.0817, 31.2327

Details

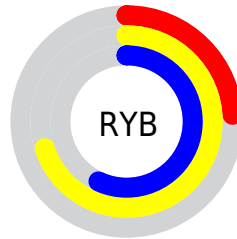
The XYZ color **21.7089, 35.0209, 10.1730** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **21.7153, 12.8122, 43.9782**, and the grayscale version is **25.2907, 26.6077, 28.9758**.

A 20% lighter version of the original color is **45.5653, 67.2338, 26.7955**, and **7.9933, 15.0073, 2.4754** is the 20% darker color. If you saturate the color by 10%, you get **20.0699, 34.2248, 7.9413**, and if you desaturate by 10%, it is **23.7316, 35.9983, 13.2685**.

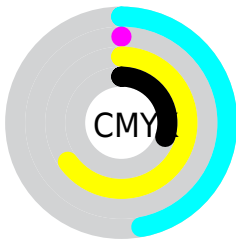
Distribution



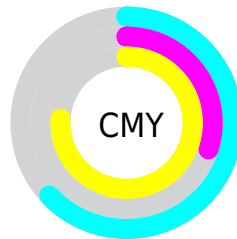
- Red (37%)
- Green (70%)
- Blue (24%)



- Red (24%)
- Yellow (70%)
- Blue (57%)



- Cyan (47%)
- Magenta (0%)
- Yellow (65%)
- Black (30%)





- Cyan (63%)
- Magenta (30%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.7089, 35.0209, 10.1730 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 21.7089, 35.0209, 10.1730 by changing the saturation by 10% instead.


 21.7089, 35.0209,
10.1730


 21.7089, 35.0209,
10.1730


253.6833,
324.6606, 202.4318


 13.7586, 23.6790,
5.4067

 45.7468, 67.5181,
26.7333

 8.0335, 15.0957,
2.4249


 62.5652, 89.4423,
39.3643

 4.1684, 8.8865,
0.8000


 83.0702, 115.6625,
55.4541

 1.7978, 4.6673,
0.0000

 107.6273,
146.5634, 75.4211

 0.5164, 2.0534,
0.0000

 136.6018,
182.5293, 99.6838

 0.0000, 0.6382,
0.0000

170.3590,

 0.0000, 0.0000,

223.9445, 128.6608

0.0000

209.2644,
271.1934, 162.7706

■ 21.7089, 35.0209,
10.1730

■ 21.7089, 35.0209,
10.1730

■ 20.0699, 34.2248,
7.9413

■ 23.7316, 35.9983,
13.2685

■ 18.7848, 33.5932,
6.4833

■ 26.1600, 37.1634,
17.3015

■ 17.8221, 33.1134,
5.6906

■ 29.0170, 38.5277,
22.3404

■ 17.4601, 32.9321,
5.4363

■ 32.3232, 40.1004,
28.4468

■ 36.0977, 41.8901,
35.6770

■ 40.3585, 43.9049,
44.0837

■ 45.1225, 46.1526,
53.7161

■ 50.4058, 48.6404,
64.6205

■ 56.2239, 51.3753,
76.8410

Harmonies

Analogous

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



29.1058, 35.0209, 5.5334



21.7089, 35.0209, 10.1730



17.9366, 35.0209, 24.0406

Triad

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



21.7089, 35.0209, 10.1730



27.9116, 35.0209, 120.0476



56.0648, 35.0209, 26.9382

Complementary

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



21.7089, 35.0209, 10.1730



21.7153, 12.8122, 43.9782

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.



55.5640, 35.0209, 56.8708



21.7089, 35.0209, 10.1730



37.8492, 35.0209, 122.2437

Square

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



21.7089, 35.0209, 10.1730



20.9880, 35.0209, 90.1108



48.3854, 35.0209, 95.1266



49.6400, 35.0209, 11.3675

Rectangle

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



21.7089, 35.0209, 10.1730



17.3955, 35.0209, 41.1021



48.3854, 35.0209, 95.1266



56.7338, 35.0209, 35.3082

Sweetspot

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



21.7097, 35.0224, 10.1738



61.1766, 73.3762, 57.1927



29.7172, 30.4447, 8.8681



13.1448, 16.0625, 11.8914



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



21.7097, 35.0224, 10.1738



34.9597, 60.8112, 13.0330



19.8425, 33.9598, 14.6019



8.6066, 9.6023, 9.0523



12.3937, 23.2993, 3.8440



0.4484, 0.7632, 0.1237

Inverse Universe

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



21.7153, 12.8122, 43.9782



34.8160, 18.0256, 78.0254



26.1180, 15.3514, 32.0074



8.6118, 8.5239, 10.6977



12.1617, 5.6054, 30.5779



0.4362, 0.2040, 0.9646

Previews

White Background



This preview shows how the XYZ color 21.7089, 35.0209, 10.1730 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 21.7089, 35.0209, 10.1730 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 21.7089, 35.0209, 10.1730

Background



This preview shows how black text looks on a background with the XYZ color 21.7089, 35.0209, 10.1730.



This preview shows how white text looks on a background with the XYZ color 21.7089, 35.0209,

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

21.7089, 35.0209, 10.1730

Protanopia

31.2434, 34.4289, 8.7401

Deuteranopia

35.2299, 34.4585, 10.7556



Tritanopia

29.3617, 34.6866, 48.8637

Trichromacy



Original Color

21.7089, 35.0209, 10.1730

Protanomaly

26.4326, 33.7810, 9.1302

Deuteranomaly

28.2855, 33.3807, 10.4212

Tritanomaly

25.3347, 34.1489, 29.3009

Monochromacy



Original Color

21.7089, 35.0209, 10.1730

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

22.9582, 28.8976, 19.6970

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.7089, 35.0209, 10.1730 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(95, 179, 62)` looks like.

```
.text, #text, p{  
    color:rgb(95, 179, 62)  
}
```

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(95, 179, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 179, 62) }
```

Border

The CSS property to change the border of an element to XYZ 21.7089, 35.0209, 10.1730 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(95, 179, 62) }
```


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

```
.border{ border-color:rgb(95, 179, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 179, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 179, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 179, 62);  
box-shadow:4px 4px 4px 4px rgb(95, 179,  
62) }
```

Background

The CSS property to change the background color of an element to XYZ 21.7089, 35.0209, 10.1730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 179, 62) }
```

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

```
.background{ background-color: rgb(95, 179,  
62) }
```

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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