

Converting Colors

XYZ(22.5896, 35.3720, 14.9131)

Have a look what the booklet for
XYZ(22.5896, 35.3720, 14.9131)
contains.

XYZ(22.6009, 35.3777, 14.8699)	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(22.6009, 35.3777,
14.8699)**

Conversions

Conversions Part 1

Format	Color
Hex	5FB358
RGB	95, 179, 88
RGB Percent	37%, 70%, 35%
CMY	0.6274, 0.2980, 0.6549
CMYK	0.47, 0.00, 0.51, 0.30
HSL	115°, 37%, 52%
HSV	115°, 51%, 70%
XYZ	22.6009, 35.3777, 14.8699
YIQ	143.5100, -20.8530, -46.1090

Conversions

Conversions Part 2

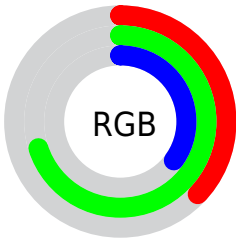
Format	Color
RYB	88, 179, 172
Decimal	6271832
CIELab	66.04, -43.86, 38.46
CIELCh	66, 58.334, 138.757
Yxy	35.3777, 0.3102, 0.4856
Android (android.graphics.Color)	4284461912 (0xFF5FB358)
YUV	143.5100, -27.3664, -42.5433
Hunter-Lab	59.4792, -36.2621, 26.8128

Details

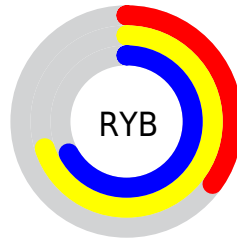
The XYZ color **22.6009, 35.3777, 14.8699** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **28.6414, 19.0059, 44.8087**, and the grayscale version is **26.4255, 27.8017, 30.2760**.

A 20% lighter version of the original color is **47.0196, 67.7941, 35.4183**, and **8.4464, 15.2005, 4.3225** is the 20% darker color. If you saturate the color by 10%, you get **20.4107, 34.3250, 11.3609**, and if you desaturate by 10%, it is **25.3390, 36.6939, 19.3563**.

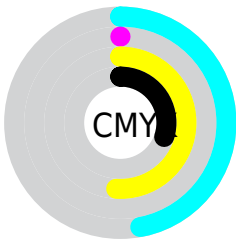
Distribution



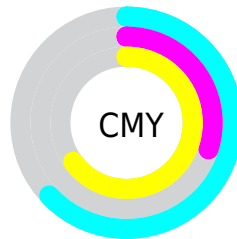
- Red (37%)
- Green (70%)
- Blue (35%)



- Red (35%)
- Yellow (70%)
- Blue (67%)



- Cyan (47%)
- Magenta (0%)
- Yellow (51%)
- Black (30%)



- Cyan (63%)
- Magenta (30%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.6009, 35.3777, 14.8699 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 22.6009, 35.3777, 14.8699 by changing the saturation by 10% instead.

■ 22.6009, 35.3777,
14.8699

■ 22.6009, 35.3777,
14.8699

258.2422,
326.2323, 234.1910

■ 14.4182, 23.9540,
8.5825

■ 47.2087, 68.0705,
35.3639

■ 8.4957, 15.2995,
4.3768

■ 64.3644, 90.1083,
50.4075

■ 4.4682, 9.0298,
1.8343

■ 85.2419, 116.4530,
69.2070

■ 1.9703, 4.7606,
0.4504

■ 110.2064,
147.4888, 92.1809

■ 0.6172, 2.1075,
0.0000

139.6233,
183.6003, 119.7477

■ 0.0000, 0.6689,
0.0000

173.8580,

■ 0.0000, 0.0000,

225.1718, 152.3259

0.0000

213.2759,
272.5877, 190.3342

■ 22.6009, 35.3777,
14.8699

■ 22.6009, 35.3777,
14.8699

■ 20.4107, 34.3250,
11.3609

■ 25.3390, 36.6939,
19.3563

■ 18.7289, 33.5140,
8.7544

■ 28.6558, 38.2848,
24.8830

■ 17.5151, 32.9266,
6.9686

■ 32.5828, 40.1667,
31.5103

■ 16.7214, 32.5401,
5.9056

■ 37.1486, 42.3529,
39.2933

■ 16.2983, 32.3331,
5.3819

■ 42.3799, 44.8561,
48.2834

■ 48.3019, 47.6884,
58.5289

■ 54.9385, 50.8610,
70.0755

■ 62.3124, 54.3847,
82.9665

■ 70.4454, 58.2699,
97.2433

Harmonies

Analogous

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



28.5534, 35.3777, 8.7221



22.6009, 35.3777, 14.8699



19.8025, 35.3777, 29.9557

Triad

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



22.6009, 35.3777, 14.8699



30.4843, 35.3777, 106.7187



51.9715, 35.3777, 25.1381

Complementary

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



22.6009, 35.3777, 14.8699



28.6414, 19.0059, 44.8087

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.



52.7297, 35.3777, 48.5790



22.6009, 35.3777, 14.8699



39.2652, 35.3777, 103.5617

Square

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



22.6009, 35.3777, 14.8699



23.8049, 35.3777, 86.6153



47.7540, 35.3777, 79.2543



45.8320, 35.3777, 12.6492

Rectangle

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



22.6009, 35.3777, 14.8699



19.7146, 35.3777, 46.2410



47.7540, 35.3777, 79.2543



52.8991, 35.3777, 31.7107

Sweetspot

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



22.6018, 35.3792, 14.8707



62.7744, 74.0520, 63.9540



34.9952, 39.5736, 15.0271



13.5327, 16.2267, 13.5301



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.



22.6018, 35.3792, 14.8707



36.1476, 61.2771, 19.7072



23.9063, 35.8207, 25.3656



8.4475, 9.5203, 9.0449



11.5396, 22.8590, 3.8040



0.3830, 0.7295, 0.1206

Inverse Universe

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



28.6414, 19.0059, 44.8087



48.1399, 28.6239, 79.3689



26.8953, 18.4896, 27.3844



8.7843, 8.6128, 10.7058



16.7741, 7.9831, 30.7938



0.5467, 0.2610, 0.9698

Previews

White Background



This preview shows how the XYZ color 22.6009, 35.3777, 14.8699 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 22.6009, 35.3777, 14.8699 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

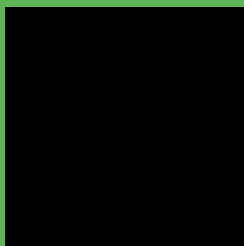
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 22.6009, 35.3777, 14.8699

Background



This preview shows how black text looks on a background with the XYZ color 22.6009, 35.3777, 14.8699.



This preview shows how white text looks on a background with the XYZ color 22.6009, 35.3777,

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

22.6009, 35.3777, 14.8699

Protanopia

31.9605, 34.9658, 12.8492

Deuteranopia

35.5419, 34.7520, 15.6610



Tritanopia

29.5709, 35.3307, 49.5169

Trichromacy



Original Color

22.6009, 35.3777, 14.8699



Protanomaly

27.4516, 34.4806, 13.5961



Deuteranomaly

28.9526, 33.8825, 15.1392



Tritanomaly

26.3523, 35.1511, 33.4129

Monochromacy



Original Color

22.6009, 35.3777, 14.8699



Achromatopsia

26.5089, 27.8894, 30.3716



Achromatomaly

24.2992, 30.0048, 23.5796

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.6009, 35.3777, 14.8699 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, 88)` looks like.

```
.text, #text, p{  
    color:rgb(95, 179, 88)  
}
```

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, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 179, 88) }
```

Border

The CSS property to change the border of an element to XYZ 22.6009, 35.3777, 14.8699 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, 88) }
```


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

```
.border{ border-color:rgb(95, 179, 88) }
```

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, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 179, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 179, 88);  
box-shadow:4px 4px 4px 4px rgb(95, 179,  
88) }
```

Background

The CSS property to change the background color of an element to XYZ 22.6009, 35.3777, 14.8699 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, 88) }
```

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

```
.background{ background-color: rgb(95, 179,  
88) }
```

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