

Converting Colors

XYZ(23.6701, 35.3807, 21.7101)

Have a look what the booklet for
XYZ(23.6701, 35.3807, 21.7101)
contains.

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Color

**XYZ(23.7342, 35.5115,
21.8231)**

Conversions

Conversions Part 1

Format	Color
Hex	5FB273
RGB	95, 178, 115
RGB Percent	37%, 70%, 45%
CMY	0.6274, 0.3019, 0.5490
CMYK	0.47, 0.00, 0.35, 0.30
HSL	134°, 35%, 54%
HSV	134°, 47%, 70%
XYZ	23.7342, 35.5115, 21.8231
YIQ	146.0010, -29.2450, -37.1890

Conversions

Conversions Part 2

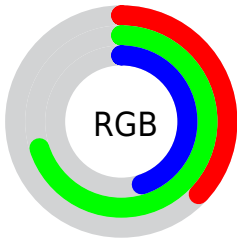
Format	Color
RYB	95, 162, 178
Decimal	6271603
CIELab	66.14, -39.21, 24.59
CIELCh	66, 46.284, 147.915
Yxy	35.5115, 0.2928, 0.4380
Android (android.graphics.Color)	4284461683 (0xFF5FB273)
YUV	146.0010, -15.2835, -44.7279
Hunter-Lab	59.5915, -33.1919, 20.0014

Details

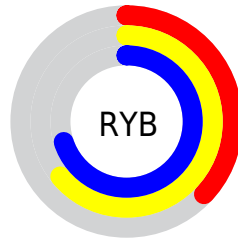
The XYZ color **23.7342, 35.5115, 21.8231** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **28.6250, 20.1187, 34.7236**, and the grayscale version is **27.3920, 28.8185, 31.3834**.

A 20% lighter version of the original color is **48.9755, 68.1197, 47.1263**, and **9.1537, 15.4919, 7.6620** is the 20% darker color. If you saturate the color by 10%, you get **21.3710, 34.3776, 17.9475**, and if you desaturate by 10%, it is **26.6357, 36.9118, 26.3203**.

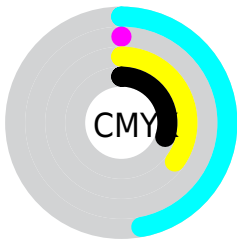
Distribution



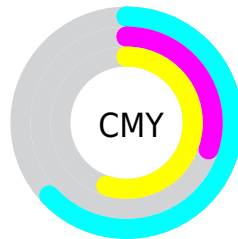
- Red (37%)
- Green (70%)
- Blue (45%)



- Red (37%)
- Yellow (64%)
- Blue (70%)



- Cyan (47%)
- Magenta (0%)
- Yellow (35%)
- Black (30%)



- Cyan (63%)
- Magenta (30%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.7342, 35.5115, 21.8231 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 23.7342, 35.5115, 21.8231 by changing the saturation by 10% instead.

■ 23.7342, 35.5115,
21.8231

■ 23.7342, 35.5115,
21.8231

263.9394,
326.8203, 274.5444

■ 15.2602, 24.0572,
13.5299

■ 49.0539, 68.2774,
47.3519

■ 9.0897, 15.3760,
7.6594

■ 66.6304, 90.3578,
65.4245

■ 4.8573, 9.0837,
3.7932

■ 87.9718, 116.7489,
87.5941

■ 2.1977, 4.7958,
1.5126

■ 113.4434,
147.8352, 114.2791

■ 0.7415, 2.1280,
0.2273

143.4106,
184.0012, 145.8981

■ 0.0000, 0.6803,
0.0000

178.2388,

■ 0.0000, 0.0000,

225.6310, 182.8696

0.0000

218.2933,
273.1093, 225.6122

■ 23.7342, 35.5115,
21.8231

■ 23.7342, 35.5115,
21.8231

■ 21.3710, 34.3776,
17.9475

■ 26.6357, 36.9118,
26.3203

■ 19.5091, 33.4885,
14.6638

■ 30.1039, 38.5894,
31.4625

■ 18.1115, 32.8268,
11.9433


■ 34.1681, 40.5602,
37.2745


■ 17.1342, 32.3704,
9.7539


■ 38.8552, 42.8374,
43.7793

■ 16.5183, 32.0898,
8.0601


■ 44.1901, 45.4333,
50.9989

 16.3552, 32.0158,
7.5929

 50.1965, 48.3599,
58.9540

 56.8969, 51.6282,
67.6647

 64.3126, 55.2489,
77.1503

 72.3890, 59.1933,
87.4259

Harmonies

Analogous

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



27.9274, 35.5115, 13.9108



23.7342, 35.5115, 21.8231



22.1777, 35.5115, 37.3029

Triad

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



23.7342, 35.5115, 21.8231



33.2733, 35.5115, 90.2675



46.8519, 35.5115, 23.4958

Complementary

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



23.7342, 35.5115, 21.8231



28.6250, 20.1187, 34.7236

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.



48.7834, 35.5115, 40.0619



23.7342, 35.5115, 21.8231



40.3362, 35.5115, 82.7675

Square

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



23.7342, 35.5115, 21.8231



27.1986, 35.5115, 80.4974



46.2551, 35.5115, 62.4997



41.2830, 35.5115, 14.6203

Rectangle

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



23.7342, 35.5115, 21.8231



22.6596, 35.5115, 51.5379



46.2551, 35.5115, 62.4997



47.9787, 35.5115, 28.1384

Sweetspot

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



23.7351, 35.5130, 21.8239



63.8839, 74.4848, 70.2926



32.2127, 40.0022, 16.8501



13.7708, 16.3163, 15.0367



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.



23.7351, 35.5130, 21.8239



38.6241, 62.2771, 32.3259



26.6302, 36.6710, 37.0692



8.4702, 9.5226, 9.4695



11.7231, 22.9152, 5.5446



0.3921, 0.7303, 0.2967

Inverse Universe

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



28.6250, 20.1187, 34.7236



48.5680, 30.8917, 58.4991



25.6720, 18.9375, 19.1735



8.7607, 8.6110, 10.2385



16.2970, 8.0363, 17.2556



0.5339, 0.2613, 0.6544

Previews

White Background



This preview shows how the XYZ color 23.7342, 35.5115, 21.8231 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 23.7342, 35.5115, 21.8231 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 23.7342, 35.5115, 21.8231

Background



This preview shows how black text looks on a background with the XYZ color 23.7342, 35.5115, 21.8231.



This preview shows how white text looks on a background with the XYZ color 23.7342, 35.5115,

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

23.7342, 35.5115, 21.8231

Protanopia

32.4582, 35.0874, 18.9717

Deuteranopia

35.5815, 34.8543, 22.9414



Tritanopia

29.4775, 35.5479, 50.1075

Trichromacy



Original Color

23.7342, 35.5115, 21.8231

Protanomaly

28.3102, 34.7830, 19.9735

Deuteranomaly

29.5765, 34.0426, 22.4648

Tritanomaly

26.9408, 35.3590, 37.7528

Monochromacy



Original Color

23.7342, 35.5115, 21.8231

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

25.3524, 30.7150, 27.5140

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.7342, 35.5115, 21.8231 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, 178, 115)` looks like.

```
.text, #text, p{  
    color:rgb(95, 178, 115)  
}
```

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, 178, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 178, 115) }
```

Border

The CSS property to change the border of an element to XYZ 23.7342, 35.5115, 21.8231 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, 178, 115) }
```


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

```
.border{ border-color:rgb(95, 178, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 178, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 178, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 178, 115);  
box-shadow:4px 4px 4px 4px rgb(95, 178,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 23.7342, 35.5115, 21.8231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 178, 115) }
```

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

```
.background{ background-color: rgb(95, 178,  
115) }
```

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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