

Converting Colors

XYZ(23.2114, 35.5289, 22.5277)

Have a look what the booklet for
XYZ(23.2114, 35.5289, 22.5277)
contains.

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Color

**XYZ(23.1687, 35.5030,
22.4613)**

Conversions

Conversions Part 1

Format	Color
Hex	56B375
RGB	86, 179, 117
RGB Percent	34%, 70%, 46%
CMY	0.6627, 0.2980, 0.5412
CMYK	0.52, 0.00, 0.35, 0.30
HSL	140°, 38%, 52%
HSV	140°, 52%, 70%
XYZ	23.1687, 35.5030, 22.4613
YIQ	144.1250, -35.5260, -38.9980

Conversions

Conversions Part 2

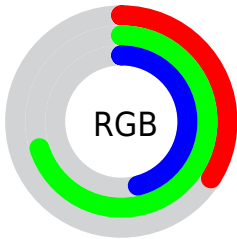
Format	Color
RYB	86, 156, 179
Decimal	5682037
CIELab	66.14, -41.71, 23.44
CIELCh	66, 47.845, 150.659
Yxy	35.5030, 0.2856, 0.4376
Android (android.graphics.Color)	4283872117 (0xFF56B375)
YUV	144.1250, -13.3726, -50.9756
Hunter-Lab	59.5844, -34.8650, 19.3588

Details

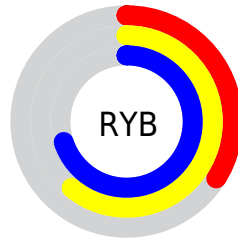
The XYZ color **23.1687, 35.5030, 22.4613** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **27.2645, 18.3780, 30.1282**, and the grayscale version is **26.6228, 28.0092, 30.5021**.

A 20% lighter version of the original color is **48.0251, 68.0320, 48.1364**, and **8.7537, 15.2788, 7.9566** is the 20% darker color. If you saturate the color by 10%, you get **21.0650, 34.4955, 18.9311**, and if you desaturate by 10%, it is **25.7764, 36.7620, 26.4836**.

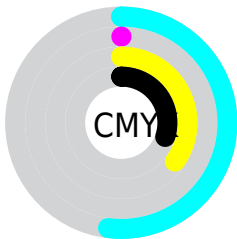
Distribution



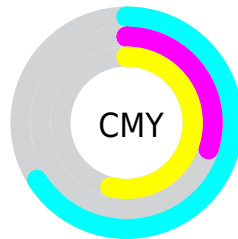
- Red (34%)
- Green (70%)
- Blue (46%)



- Red (34%)
- Yellow (61%)
- Blue (70%)



- Cyan (52%)
- Magenta (0%)
- Yellow (35%)
- Black (30%)





- Cyan (66%)
- Magenta (30%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.1687, 35.5030, 22.4613 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 23.1687, 35.5030, 22.4613 by changing the saturation by 10% instead.


 23.1687, 35.5030,
22.4613


 23.1687, 35.5030,
22.4613


261.1095,
326.7830, 277.9776


 14.8395, 24.0506,
13.9947

 48.1348, 68.2643,
48.4192


 8.7924, 15.3712,
7.9783


 65.5024, 90.3419,
66.7475

 4.6620, 9.0803,
3.9935


 86.6136, 116.7301,
89.2002

 2.0831, 4.7936,
1.6218

 111.8336,
147.8132, 116.1958

 0.6800, 2.1267,
0.3063

141.5278,
183.9757, 148.1528

 0.0000, 0.6796,
0.0000

176.0616,

 0.0000, 0.0000,

225.6019, 185.4897

0.0000

215.8004,
273.0762, 228.6251

■ 23.1687, 35.5030,
22.4613

■ 23.1687, 35.5030,
22.4613

■ 21.0650, 34.4955,
18.9311

■ 25.7764, 36.7620,
26.4836

■ 19.4278, 33.7175,
15.8715

■ 28.9167, 38.2839,
31.0137

■ 18.2186, 33.1506,
13.2627

■ 32.6193, 40.0846,
36.0694

■ 17.3907, 32.7712,
11.0828

■ 36.9107, 42.1774,
41.6671

■ 16.9277, 32.5643,
9.6225

■ 41.8159, 44.5750,
47.8224

■ 47.3582, 47.2890,
54.5501

■ 53.5599, 50.3306,
61.8648

■ 60.4420, 53.7103,
69.7802

■ 68.0246, 57.4384,
78.3097

Harmonies

Analogous

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



27.2381, 35.5030, 13.7996



23.1687, 35.5030, 22.4613



21.8302, 35.5030, 39.1092

Triad

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



23.1687, 35.5030, 22.4613



33.9022, 35.5030, 92.5591



46.9337, 35.5030, 21.9220

Complementary

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



23.1687, 35.5030, 22.4613



27.2645, 18.3780, 30.1282

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.



49.3558, 35.5030, 38.2077



23.1687, 35.5030, 22.4613



41.2124, 35.5030, 83.1033

Square

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



23.1687, 35.5030, 22.4613



27.4752, 35.5030, 83.8564



47.1301, 35.5030, 61.2085



40.9017, 35.5030, 13.5740

Rectangle

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



23.1687, 35.5030, 22.4613



22.4942, 35.5030, 54.1928



47.1301, 35.5030, 61.2085



48.2321, 35.5030, 26.4159

Sweetspot

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



23.1696, 35.5045, 22.4621



62.6552, 73.8527, 70.1755



30.0137, 39.2096, 14.7906



13.5372, 16.1943, 15.0979



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.



23.1696, 35.5045, 22.4621



37.3658, 61.6063, 33.2652



26.6147, 36.8825, 40.6034



8.5019, 9.5353, 9.6369



11.9888, 23.0215, 6.9437



0.4050, 0.7355, 0.3647

Inverse Universe

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



27.2645, 18.3780, 30.1282



45.4608, 27.6376, 48.3368



24.2927, 17.1893, 14.4786



8.7272, 8.5976, 10.0618



15.5351, 7.7316, 13.2438



0.5145, 0.2536, 0.5521

Previews

White Background



This preview shows how the XYZ color 23.1687, 35.5030, 22.4613 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 23.1687, 35.5030, 22.4613 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 23.1687, 35.5030, 22.4613

Background



This preview shows how black text looks on a background with the XYZ color 23.1687, 35.5030, 22.4613.



This preview shows how white text looks on a background with the XYZ color 23.1687, 35.5030,

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

23.1687, 35.5030, 22.4613

Protanopia

32.5647, 35.1300, 19.5324

Deuteranopia

35.4599, 34.7773, 23.5826



Tritanopia

28.8082, 35.4701, 50.6755

Trichromacy



Original Color

23.1687, 35.5030, 22.4613

Protanomaly

27.7279, 34.4700, 20.5212

Deuteranomaly

28.9492, 33.7052, 23.0691

Tritanomaly

26.4110, 35.3516, 38.6892

Monochromacy



Original Color

23.1687, 35.5030, 22.4613

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

24.5284, 30.0461, 27.0610

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1687, 35.5030, 22.4613 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(86, 179, 117)` looks like.

```
.text, #text, p{  
    color:rgb(86, 179, 117)  
}
```

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(86, 179, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 179, 117) }
```

Border

The CSS property to change the border of an element to XYZ 23.1687, 35.5030, 22.4613 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(86, 179, 117) }
```


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

```
.border{ border-color:rgb(86, 179, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 179, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 179, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 179, 117);  
box-shadow:4px 4px 4px 4px rgb(86, 179,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 23.1687, 35.5030, 22.4613 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 179, 117) }
```

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

```
.background{ background-color: rgb(86, 179,  
117) }
```

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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