

Converting Colors

XYZ(23.0156, 34.5531, 20.4090)

Have a look what the booklet for
XYZ(23.0156, 34.5531, 20.4090)
contains.

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Color

**XYZ(23.0107, 34.5780,
20.5004)**

Conversions

Conversions Part 1

Format	Color
Hex	5EB06F
RGB	94, 176, 111
RGB Percent	37%, 69%, 44%
CMY	0.6314, 0.3098, 0.5647
CMYK	0.47, 0.00, 0.37, 0.31
HSL	132°, 34%, 53%
HSV	132°, 47%, 69%
XYZ	23.0107, 34.5780, 20.5004
YIQ	144.0720, -28.0070, -37.5990

Conversions

Conversions Part 2

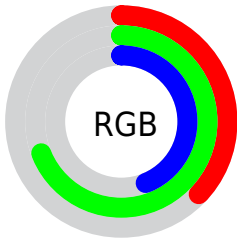
Format	Color
RYB	94, 162, 176
Decimal	6205551
CIELab	65.42, -39.32, 25.75
CIELCh	65, 46.997, 146.780
Yxy	34.5780, 0.2947, 0.4428
Android (android.graphics.Color)	4284395631 (0xFF5EB06F)
YUV	144.0720, -16.3045, -43.9131
Hunter-Lab	58.8031, -33.0551, 20.4920

Details

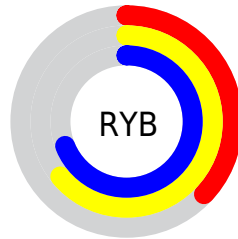
The XYZ color **23.0107, 34.5780, 20.5004** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **28.1663, 19.7395, 35.1278**, and the grayscale version is **26.6107, 27.9966, 30.4882**.

A 20% lighter version of the original color is **47.8619, 66.7471, 45.0112**, and **8.7518, 14.9258, 6.9771** is the 20% darker color. If you saturate the color by 10%, you get **20.6985, 33.4689, 16.6909**, and if you desaturate by 10%, it is **25.8562, 35.9501, 24.9628**.

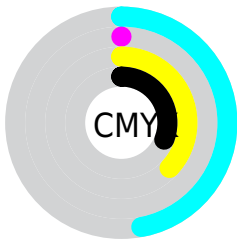
Distribution



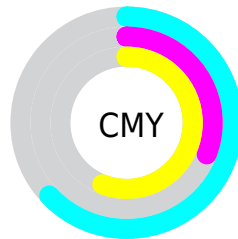
- Red (37%)
- Green (69%)
- Blue (44%)



- Red (37%)
- Yellow (64%)
- Blue (69%)



- Cyan (47%)
- Magenta (0%)
- Yellow (37%)
- Black (31%)





- Cyan (63%)
- Magenta (31%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.0107, 34.5780, 20.5004 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 23.0107, 34.5780, 20.5004 by changing the saturation by 10% instead.


 23.0107, 34.5780,
20.5004


 23.0107, 34.5780,
20.5004


260.3143,
322.7017, 267.3046


 14.7221, 23.3380,
12.5716


 47.8774, 66.8315,
45.1245


 8.7097, 14.8433,
7.0070

 65.1863, 88.6138,
62.6569

 4.6079, 8.7095,
3.3880


 86.2327, 114.6789,
84.2276

 2.0515, 4.5522,
1.2960

 111.3819,
145.4114, 110.2552

 0.6626, 1.9870,
0.0585

140.9993,
181.1955, 141.1581

 0.0000, 0.5999,
0.0000

175.4503,

 0.0000, 0.0000,

222.4156, 177.3550

0.0000

215.1001,
269.4562, 219.2643

■ 23.0107, 34.5780,
20.5004

■ 23.0107, 34.5780,
20.5004

■ 20.6985, 33.4689,
16.6909

■ 25.8562, 35.9501,
24.9628

■ 18.8830, 32.6017,
13.5012

■ 29.2633, 37.5962,
30.1042

■ 17.5272, 31.9590,
10.8992


■ 33.2611, 39.5319,
35.9522

■ 16.5875, 31.5190,
8.8486

■ 37.8764, 41.7703,
42.5324


■ 16.0056, 31.2524,
7.3090


■ 43.1340, 44.3237,
49.8687

 15.8519, 31.1823,
6.8918

 49.0573, 47.2038,
57.9842

 55.6687, 50.4216,
66.9009

 62.9896, 53.9877,
76.6401

 71.0401, 57.9120,
87.2221

Harmonies

Analogous

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



27.2679, 34.5780, 12.9757



23.0107, 34.5780, 20.5004



21.3665, 34.5780, 35.5655

Triad

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



23.0107, 34.5780, 20.5004



32.1294, 34.5780, 89.4306



46.1182, 34.5780, 23.0523

Complementary

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



23.0107, 34.5780, 20.5004



28.1663, 19.7395, 35.1278

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.



47.8894, 34.5780, 39.8135



23.0107, 34.5780, 20.5004



39.1808, 34.5780, 82.5031

Square

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



23.0107, 34.5780, 20.5004



26.1494, 34.5780, 78.9718



45.1950, 34.5780, 62.3982



40.6427, 34.5780, 14.0479

Rectangle

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



23.0107, 34.5780, 20.5004



21.7754, 34.5780, 49.6560



45.1950, 34.5780, 62.3982



47.1969, 34.5780, 27.7535

Sweetspot

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



23.0116, 34.5794, 20.5012



62.1836, 72.5972, 67.8815



31.9644, 39.2928, 16.4897



13.1127, 15.5568, 14.1880



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



23.0116, 34.5794, 20.5012



37.3941, 60.6299, 30.0246



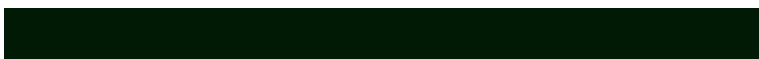
25.7609, 35.6792, 34.9790



8.4587, 9.5180, 9.4090



11.6481, 22.8852, 5.1500



0.3874, 0.7284, 0.2720

Inverse Universe

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



28.1663, 19.7395, 35.1278



47.8869, 30.3488, 59.7437



25.2140, 18.5586, 19.5810



8.7731, 8.6159, 10.3033



16.6053, 8.1597, 18.8792



0.5415, 0.2644, 0.6943

Previews

White Background



This preview shows how the XYZ color 23.0107, 34.5780, 20.5004 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 23.0107, 34.5780, 20.5004 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 23.0107, 34.5780, 20.5004

Background



This preview shows how black text looks on a background with the XYZ color 23.0107, 34.5780, 20.5004.



This preview shows how white text looks on a background with the XYZ color 23.0107, 34.5780,

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

23.0107, 34.5780, 20.5004

Protanopia

31.7388, 34.2239, 18.0298

Deuteranopia

34.7710, 33.9824, 21.5562



Tritanopia

28.7735, 34.6565, 48.8889

Trichromacy



Original Color

23.0107, 34.5780, 20.5004



Protanomaly

27.6106, 33.9011, 18.9983



Deuteranomaly

28.8022, 33.1517, 21.1005



Tritanomaly

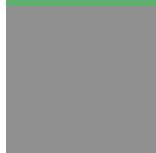
26.2726, 34.4692, 36.7210

Monochromacy



Original Color

23.0107, 34.5780, 20.5004



Achromatopsia

26.5089, 27.8894, 30.3716



Achromatomaly

24.6575, 29.8785, 26.2973

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.0107, 34.5780, 20.5004 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(94, 176, 111)` looks like.

```
.text, #text, p{  
    color:rgb(94, 176, 111)  
}
```

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(94, 176, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 176, 111) }
```

Border

The CSS property to change the border of an element to XYZ 23.0107, 34.5780, 20.5004 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(94, 176, 111) }
```


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

```
.border{ border-color:rgb(94, 176, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 176, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 176, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 176, 111);  
box-shadow:4px 4px 4px 4px rgb(94, 176,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 23.0107, 34.5780, 20.5004 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 176, 111) }
```

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

```
.background{ background-color: rgb(94, 176,  
111) }
```

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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