

Converting Colors

XYZ(23.1693, 33.4115, 20.3977)

Have a look what the booklet for
XYZ(23.1693, 33.4115, 20.3977)
contains.

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Color

**XYZ(23.2153, 33.5363,
20.2885)**

Conversions

Conversions Part 1

Format	Color
Hex	67AC6F
RGB	103, 172, 111
RGB Percent	40%, 67%, 44%
CMY	0.5961, 0.3255, 0.5647
CMYK	0.40, 0.00, 0.35, 0.33
HSL	127°, 29%, 54%
HSV	127°, 40%, 67%
XYZ	23.2153, 33.5363, 20.2885
YIQ	144.4150, -21.5430, -33.5990

Conversions

Conversions Part 2

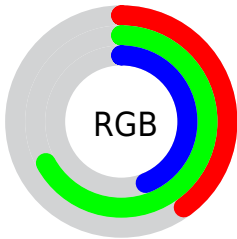
Format	Color
RYB	103, 165, 172
Decimal	6794351
CIELab	64.59, -34.84, 24.72
CIELCh	65, 42.715, 144.640
Yxy	33.5363, 0.3013, 0.4353
Android (android.graphics.Color)	4284984431 (0xFF67AC6F)
YUV	144.4150, -16.4736, -36.3210
Hunter-Lab	57.9105, -29.7860, 19.7656

Details

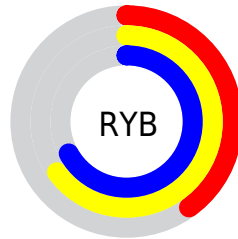
The XYZ color **23.2153, 33.5363, 20.2885** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **28.5654, 21.1522, 37.7005**, and the grayscale version is **26.7481, 28.1411, 30.6456**.

A 20% lighter version of the original color is **48.2589, 65.2992, 44.7108**, and **8.7817, 14.2196, 6.8392** is the 20% darker color. If you saturate the color by 10%, you get **20.6745, 32.3161, 16.1651**, and if you desaturate by 10%, it is **26.3062, 35.0256, 25.1832**.

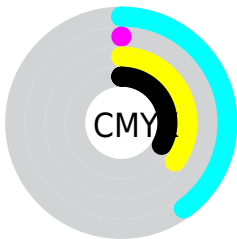
Distribution



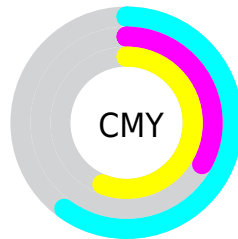
- Red (40%)
- Green (67%)
- Blue (44%)



- Red (40%)
- Yellow (65%)
- Blue (67%)



- Cyan (40%)
- Magenta (0%)
- Yellow (35%)
- Black (33%)





- Cyan (60%)
- Magenta (33%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.2153, 33.5363, 20.2885 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 23.2153, 33.5363, 20.2885 by changing the saturation by 10% instead.


 23.2153, 33.5363,
20.2885


 23.2153, 33.5363,
20.2885


261.3436,
318.0595, 266.1284


 14.8741, 22.5376,
12.4188


 48.2107, 65.2119,
44.7657


 8.8168, 14.2525,
6.9036


 65.5956, 86.6576,
62.2102

 4.6781, 8.2965,
3.3243


 86.7258, 112.3545,
83.6834

 2.0924, 4.2852,
1.2625

 111.9666,
142.6869, 109.6038

 0.6851, 1.8344,
0.0308

141.6835,
178.0391, 140.3899

 0.0000, 0.5085,
0.0000

176.2417,

 0.0000, 0.0000,

218.7957, 176.4604

0.0000

216.0066,
265.3410, 218.2337

■ 23.2153, 33.5363,
20.2885

■ 23.2153, 33.5363,
20.2885

■ 20.6745, 32.3161,
16.1651

■ 26.3062, 35.0256,
25.1832

■ 18.6490, 31.3449,
12.7714

■ 29.9743, 36.7942,
30.8832

■ 17.1040, 30.6067,
10.0657


■ 34.2479, 38.8570,
37.4234


■ 15.9990, 30.0816,
8.0009


■ 39.1528, 41.2265,
44.8360


■ 15.2873, 29.7467,
6.5239


■ 44.7132, 43.9147,
53.1513

 14.8789, 29.5566,
5.5800

 50.9521, 46.9328,
62.3983

 57.8913, 50.2914,
72.6047

 65.5517, 54.0007,
83.7970

 72.9141, 57.5347,
95.9520

Harmonies

Analogous

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



27.2199, 33.5363, 13.6624



23.2153, 33.5363, 20.2885



21.5429, 33.5363, 33.4593

Triad

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



23.2153, 33.5363, 20.2885



30.7895, 33.5363, 81.3521



43.8021, 33.5363, 24.1979

Complementary

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



23.2153, 33.5363, 20.2885



28.5654, 21.1522, 37.7005

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.



45.0740, 33.5363, 39.7521



23.2153, 33.5363, 20.2885



37.0332, 33.5363, 76.4736

Square

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



23.2153, 33.5363, 20.2885



25.5433, 33.5363, 71.4393



42.4585, 33.5363, 59.6760



39.1757, 33.5363, 15.3617

Rectangle

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



23.2153, 33.5363, 20.2885



21.7984, 33.5363, 45.7052



42.4585, 33.5363, 59.6760



44.6591, 33.5363, 28.6481

Sweetspot

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



23.2162, 33.5377, 20.2892



60.4080, 69.6587, 65.2700



32.7399, 38.4960, 18.5372



12.9115, 15.0339, 13.8543



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



23.2162, 33.5377, 20.2892



38.0318, 58.8766, 30.1904



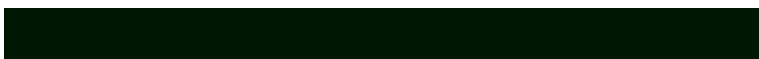
25.4117, 34.4159, 31.8507



7.9409, 8.9539, 8.7136



11.0830, 21.9985, 4.2107



0.3200, 0.6166, 0.1786

Inverse Universe

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



28.5654, 21.1522, 37.7005



49.0620, 33.3103, 66.0722



25.9342, 20.0997, 23.8443



8.2965, 8.1318, 9.8721



16.8947, 8.2204, 22.8886



0.4811, 0.2331, 0.6950

Previews

White Background



This preview shows how the XYZ color 23.2153, 33.5363, 20.2885 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 23.2153, 33.5363, 20.2885 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 23.2153, 33.5363, 20.2885

Background



This preview shows how black text looks on a background with the XYZ color 23.2153, 33.5363, 20.2885.



This preview shows how white text looks on a background with the XYZ color 23.2153, 33.5363,

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

23.2153, 33.5363, 20.2885

Protanopia

30.7493, 33.2114, 17.8865

Deuteranopia

33.6670, 32.9462, 21.1078



Tritanopia

28.5474, 33.5072, 46.5579

Trichromacy



Original Color

23.2153, 33.5363, 20.2885

Protanomaly

27.2512, 32.9219, 18.8282

Deuteranomaly

28.6118, 32.2974, 20.6456

Tritanomaly

26.2506, 33.3821, 35.1968

Monochromacy



Original Color

23.2153, 33.5363, 20.2885

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

24.7737, 29.4443, 26.2074

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2153, 33.5363, 20.2885 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(103, 172, 111)` looks like.

```
.text, #text, p{  
    color:rgb(103, 172, 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(103, 172, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 172, 111) }
```

Border

The CSS property to change the border of an element to XYZ 23.2153, 33.5363, 20.2885 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(103, 172, 111) }
```


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

```
.border{ border-color:rgb(103, 172, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 172, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 172, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 172, 111);  
box-shadow:4px 4px 4px 4px rgb(103, 172,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 23.2153, 33.5363, 20.2885 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 172, 111) }
```

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

```
.background{ background-color: rgb(103,  
172, 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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