

Converting Colors

XYZ(23.6304, 33.3985, 23.6426)

Have a look what the booklet for
XYZ(23.6304, 33.3985, 23.6426)
contains.

XYZ(23.6693, 33.4145, 23.6145)	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(23.6693, 33.4145,
23.6145)**

Conversions

Conversions Part 1

Format	Color
Hex	67AB7A
RGB	103, 171, 122
RGB Percent	40%, 67%, 48%
CMY	0.5961, 0.3294, 0.5216
CMYK	0.40, 0.00, 0.29, 0.33
HSL	137°, 29%, 54%
HSV	137°, 40%, 67%
XYZ	23.6693, 33.4145, 23.6145
YIQ	145.0820, -24.7990, -29.6550

Conversions

Conversions Part 2

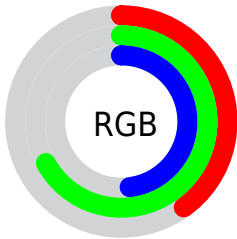
Format	Color
RYB	103, 156, 171
Decimal	6794106
CIELab	64.50, -32.39, 18.62
CIELCh	64, 37.362, 150.104
Yxy	33.4145, 0.2933, 0.4141
Android (android.graphics.Color)	4284984186 (0xFF67AB7A)
YUV	145.0820, -11.3794, -36.9059
Hunter-Lab	57.8053, -28.0695, 16.2427

Details

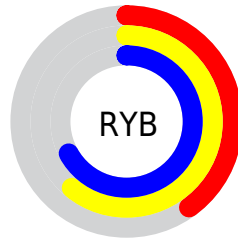
The XYZ color **23.6693, 33.4145, 23.6145** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **27.3135, 20.6262, 32.2488**, and the grayscale version is **26.9997, 28.4058, 30.9339**.

A 20% lighter version of the original color is **49.1116, 65.2014, 50.5541**, and **9.0463, 14.1417, 8.5562** is the 20% darker color. If you saturate the color by 10%, you get **21.1892, 32.2196, 19.7627**, and if you desaturate by 10%, it is **26.6491, 34.8577, 27.9966**.

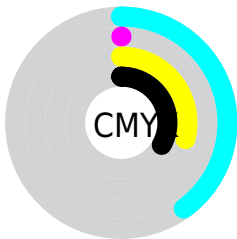
Distribution



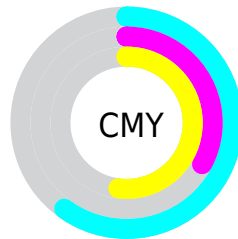
- Red (40%)
- Green (67%)
- Blue (48%)



- Red (40%)
- Yellow (61%)
- Blue (67%)



- Cyan (40%)
- Magenta (0%)
- Yellow (29%)
- Black (33%)



- Cyan (60%)
- Magenta (33%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.6693, 33.4145, 23.6145 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 23.6693, 33.4145, 23.6145 by changing the saturation by 10% instead.

■ 23.6693, 33.4145,
23.6145

■ 23.6693, 33.4145,
23.6145

263.6159,
317.5134, 284.0892

■ 15.2119, 22.4442,
14.8384

■ 48.9486, 65.0221,
50.3363

■ 9.0555, 14.1836,
8.5607

■ 66.5012, 86.4282,
69.1190

■ 4.8348, 8.2485,
4.3629

■ 87.8163, 112.0817,
92.0744

■ 2.1844, 4.2544,
1.8264

■ 113.2592,
142.3669, 119.6209

■ 0.7345, 1.8168,
0.4453

143.1952,
177.6683, 152.1771

■ 0.0000, 0.4976,
0.0000

177.9898,

■ 0.0000, 0.0000,

218.3702, 190.1615

0.0000

218.0082,
264.8571, 233.9927

■ 23.6693, 33.4145,
23.6145

■ 23.6693, 33.4145,
23.6145

■ 21.1892, 32.2196,
19.7627

■ 26.6491, 34.8577,
27.9966

■ 19.1780, 31.2547,
16.4187

■ 30.1520, 36.5580,
32.9257

■ 17.6054, 30.5056,
13.5618


■ 34.2029, 38.5289,
38.4208


■ 16.4362, 29.9546,
11.1689


■ 38.8245, 40.7817,
44.4992


■ 15.6297, 29.5813,
9.2152


■ 44.0380, 43.3269,
51.1772


 15.1034, 29.3436,
7.6714

 49.8637, 46.1748,
58.4709

 15.0925, 29.3386,
7.6400

 56.3208, 49.3348,
66.3955

 63.4276, 52.8162,
74.9657

 70.4977, 56.2647,
84.1629

Harmonies

Analogous

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



26.8863, 33.4145, 16.4232



23.6693, 33.4145, 23.6145



22.5647, 33.4145, 36.4363

Triad

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



23.6693, 33.4145, 23.6145



31.7782, 33.4145, 74.3865



41.4880, 33.4145, 23.5450

Complementary

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



23.6693, 33.4145, 23.6145



27.3135, 20.6262, 32.2488

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.



43.1639, 33.4145, 36.3292



23.6693, 33.4145, 23.6145



37.1886, 33.4145, 68.1828

Square

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



23.6693, 33.4145, 23.6145



26.9153, 33.4145, 68.2642



41.5104, 33.4145, 53.0812



37.1526, 33.4145, 16.3917

Rectangle

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



23.6693, 33.4145, 23.6145



23.0662, 33.4145, 47.4463



41.5104, 33.4145, 53.0812



42.4014, 33.4145, 27.1884

Sweetspot

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



23.6702, 33.4159, 23.6153



59.3859, 68.0913, 66.3046



30.1240, 36.8660, 18.3605



13.0352, 15.0833, 14.5057



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.



23.6702, 33.4159, 23.6153



38.3191, 57.8802, 35.9871



26.0851, 34.3818, 36.3319



7.9930, 8.9748, 8.9884



11.3969, 22.1240, 5.8636



0.3405, 0.6249, 0.2868

Inverse Universe

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



27.3135, 20.6262, 32.2488



45.7755, 31.6602, 53.6237



24.9676, 19.6879, 19.8956



8.2402, 8.1093, 9.5756



15.3895, 7.6183, 14.9624



0.4498, 0.2206, 0.5304

Previews

White Background



This preview shows how the XYZ color 23.6693, 33.4145, 23.6145 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 23.6693, 33.4145, 23.6145 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 23.6693, 33.4145, 23.6145

Background



This preview shows how black text looks on a background with the XYZ color 23.6693, 33.4145, 23.6145.



This preview shows how white text looks on a background with the XYZ color 23.6693, 33.4145,

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

23.6693, 33.4145, 23.6145

Protanopia

30.7522, 32.8960, 20.9484

Deuteranopia

33.7932, 33.1688, 24.6998



Tritanopia

28.2815, 33.3701, 46.5454

Trichromacy



Original Color

23.6693, 33.4145, 23.6145

Protanomaly

27.5165, 32.7270, 22.0062

Deuteranomaly

29.0654, 32.7067, 24.1831

Tritanomaly

26.4601, 33.4513, 36.9604

Monochromacy



Original Color

23.6693, 33.4145, 23.6145

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

25.2769, 29.6632, 28.0602

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.6693, 33.4145, 23.6145 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, 171, 122)` looks like.

```
.text, #text, p{  
    color:rgb(103, 171, 122)  
}
```

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, 171, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 171, 122) }
```

Border

The CSS property to change the border of an element to XYZ 23.6693, 33.4145, 23.6145 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, 171, 122) }
```


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

```
.border{ border-color:rgb(103, 171, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 171, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 171, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 171, 122);  
box-shadow:4px 4px 4px 4px rgb(103, 171,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 23.6693, 33.4145, 23.6145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 171, 122) }
```

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

```
.background{ background-color: rgb(103,  
171, 122) }
```

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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