

Converting Colors

XYZ(23.8813, 36.7093, 24.8151)

Have a look what the booklet for
XYZ(23.8813, 36.7093, 24.8151)
contains.

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Color

**XYZ(23.9333, 36.7501,
24.9009)**

Conversions

Conversions Part 1

Format	Color
Hex	53B67C
RGB	83, 182, 124
RGB Percent	33%, 71%, 49%
CMY	0.6745, 0.2863, 0.5137
CMYK	0.54, 0.00, 0.32, 0.29
HSL	145°, 40%, 52%
HSV	145°, 54%, 71%
XYZ	23.9333, 36.7501, 24.9009
YIQ	145.7870, -40.3860, -39.0260

Conversions

Conversions Part 2

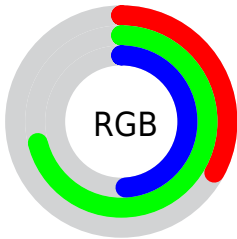
Format	Color
RYB	83, 153, 182
Decimal	5486204
CIELab	67.09, -42.41, 20.95
CIElCh	67, 47.299, 153.708
Yxy	36.7501, 0.2796, 0.4294
Android (android.graphics.Color)	4283676284 (0xFF53B67C)
YUV	145.7870, -10.7410, -55.0642
Hunter-Lab	60.6219, -35.6171, 18.0815

Details

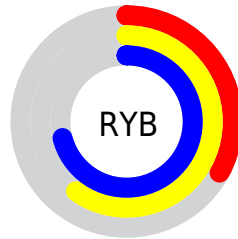
The XYZ color **23.9333, 36.7501, 24.9009** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **27.1935, 18.0554, 27.2523**, and the grayscale version is **27.2896, 28.7108, 31.2660**.

A 20% lighter version of the original color is **49.4498, 70.3963, 52.5765**, and **9.1862, 16.0479, 9.2700** is the 20% darker color. If you saturate the color by 10%, you get **21.8952, 35.7742, 21.4742**, and if you desaturate by 10%, it is **26.4677, 37.9755, 28.7332**.

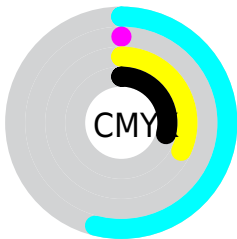
Distribution



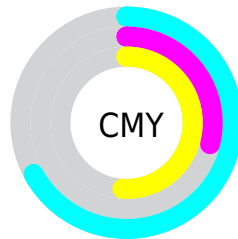
- Red (33%)
- Green (71%)
- Blue (49%)



- Red (33%)
- Yellow (60%)
- Blue (71%)



- Cyan (54%)
- Magenta (0%)
- Yellow (32%)
- Black (29%)





- Cyan (67%)
- Magenta (29%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.9333, 36.7501, 24.9009 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 23.9333, 36.7501, 24.9009 by changing the saturation by 10% instead.


 23.9333, 36.7501,
24.9009


 23.9333, 36.7501,
24.9009


264.9298,
332.2273, 290.7759


 15.4086, 25.0141,
15.7849


 49.3768, 70.1883,
52.4585


 9.1948, 16.0875,
9.2194


 67.0263, 92.6592,
71.7372

 4.9266, 9.5861,
4.7858


 88.4482, 119.4772,
95.2406

 2.2386, 5.1254,
2.0656

 114.0077,
151.0267, 123.3871

 0.7630, 2.3210,
0.5952

144.0703,
187.6921, 156.5954

 0.0000, 0.7848,
0.0000

179.0013,

 0.0000, 0.0000,

229.8577, 195.2839

0.0000

219.1660,
277.9080, 239.8712

■ 23.9333, 36.7501,
24.9009

■ 23.9333, 36.7501,
24.9009

■ 21.8952, 35.7742,
21.4742

■ 26.4677, 37.9755,
28.7332

■ 20.3146, 35.0249,
18.4367

■ 29.5279, 39.4622,
32.9814

■ 19.1509, 34.4827,
15.7747

■ 33.1442, 41.2267,
37.6590

■ 18.3547, 34.1224,
13.4726

■ 37.3439, 43.2827,
42.7777

■ 18.0115, 33.9704,
12.3316

■ 42.1523, 45.6432,
48.3489

■ 47.5933, 48.3203,
54.3836

■ 53.6894, 51.3252,
60.8923

■ 60.4620, 54.6688,
67.8853

■ 67.9315, 58.3615,
75.3724

Harmonies

Analogous

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



27.7987, 36.7501, 15.2701



23.9333, 36.7501, 24.9009



22.8596, 36.7501, 42.6331

Triad

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



23.9333, 36.7501, 24.9009



35.8326, 36.7501, 94.0296



47.7537, 36.7501, 21.8028

Complementary

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



23.9333, 36.7501, 24.9009



27.1935, 18.0554, 27.2523

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.



50.6404, 36.7501, 37.5056



23.9333, 36.7501, 24.9009



43.1869, 36.7501, 82.8711

Square

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



23.9333, 36.7501, 24.9009



29.1514, 36.7501, 87.1062



48.8647, 36.7501, 60.2634



41.4255, 36.7501, 13.9607

Rectangle

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



23.9333, 36.7501, 24.9009



23.7289, 36.7501, 58.1603



48.8647, 36.7501, 60.2634



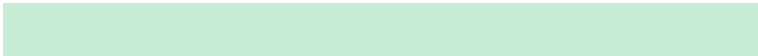
49.1953, 36.7501, 26.1002

Sweetspot

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



23.9343, 36.7516, 24.9017



66.1910, 77.7278, 75.7504



29.5146, 39.8683, 14.3237



14.2647, 16.9938, 16.3032



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



23.9343, 36.7516, 24.9017



39.1491, 64.5960, 37.9432



27.7524, 38.2788, 45.0075



9.0404, 10.1202, 10.3704



12.7505, 24.0011, 8.8739



0.4805, 0.8585, 0.4760

Inverse Universe

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



27.1935, 18.0554, 27.2523



45.6416, 27.2465, 42.5470



24.3570, 16.9208, 12.3154



9.2193, 9.0981, 10.5023



15.5174, 7.7807, 10.6111



0.5771, 0.2863, 0.5322

Previews

White Background



This preview shows how the XYZ color 23.9333, 36.7501, 24.9009 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 23.9333, 36.7501, 24.9009 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 23.9333, 36.7501, 24.9009

Background



This preview shows how black text looks on a background with the XYZ color 23.9333, 36.7501, 24.9009.



This preview shows how white text looks on a background with the XYZ color 23.9333, 36.7501,

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

23.9333, 36.7501, 24.9009

Protanopia

33.6940, 36.1924, 21.4296

Deuteranopia

36.9040, 36.2075, 26.1628



Tritanopia

29.5800, 36.6696, 53.0959

Trichromacy



Original Color

23.9333, 36.7501, 24.9009



Protanomaly

28.6133, 35.4347, 22.4710



Deuteranomaly

29.9291, 34.9528, 25.5912



Tritanomaly

27.1298, 36.5406, 41.2205

Monochromacy



Original Color

23.9333, 36.7501, 24.9009



Achromatopsia

27.3213, 28.7441, 31.3023



Achromatomaly

25.1540, 30.8422, 28.6721

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.9333, 36.7501, 24.9009 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(83, 182, 124)` looks like.

```
.text, #text, p{  
    color:rgb(83, 182, 124)  
}
```

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(83, 182, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 182, 124) }
```

Border

The CSS property to change the border of an element to XYZ 23.9333, 36.7501, 24.9009 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(83, 182, 124) }
```


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

```
.border{ border-color:rgb(83, 182, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 182, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 182, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 182, 124);  
box-shadow:4px 4px 4px 4px rgb(83, 182,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 23.9333, 36.7501, 24.9009 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 182, 124) }
```

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

```
.background{ background-color: rgb(83, 182,  
124) }
```

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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