

Converting Colors

XYZ(23.4270, 24.4670, 5.9816)

Have a look what the booklet for
XYZ(23.4270, 24.4670, 5.9816)
contains.

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Color

**XYZ(23.3584, 24.4381,
5.9685)**

Conversions

Conversions Part 1

Format	Color
Hex	A0852D
RGB	160, 133, 45
RGB Percent	63%, 52%, 18%
CMY	0.3726, 0.4784, 0.8235
CMYK	0.00, 0.17, 0.72, 0.37
HSL	46°, 56%, 40%
HSV	46°, 72%, 63%
XYZ	23.3584, 24.4381, 5.9685
YIQ	131.0410, 44.3400, -21.6440

Conversions

Conversions Part 2

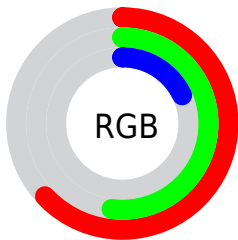
Format	Color
R_{YB}	80, 160, 45
Decimal	10519853
CIE _{Lab}	56.52, 0.59, 49.07
CIE _{LCh}	57, 49.070, 89.317
Yxy	24.4381, 0.4345, 0.4545
Android (android.graphics.Color)	4288709933 (0xFFA0852D)
YUV	131.0410, -42.4182, 25.3970
Hunter-Lab	49.4349, -2.1684, 27.4461

Details

The XYZ color **23.3584, 24.4381, 5.9685** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **9.7447, 7.7305, 34.2361**, and the grayscale version is **21.7243, 22.8557, 24.8899**.

A 20% lighter version of the original color is **48.5837, 50.8678, 18.3242**, and **8.9960, 9.3439, 1.3294** is the 20% darker color. If you saturate the color by 10%, you get **22.6020, 23.3283, 4.4741**, and if you desaturate by 10%, it is **24.2511, 25.6337, 8.0849**.

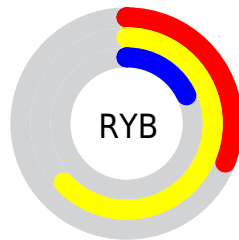
Distribution



Red (63%)

Green (52%)

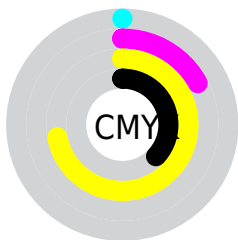
Blue (18%)



Red (31%)

Yellow (63%)

Blue (18%)

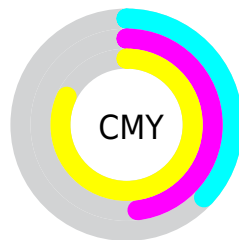


Cyan (0%)

Magenta (17%)

Yellow (72%)

Black (37%)



Cyan (37%)

Magenta (48%)

Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.3584, 24.4381, 5.9685 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 23.3584, 24.4381, 5.9685 by changing the saturation by 10% instead.

■ 23.3584, 24.4381,
5.9685

■ 23.3584, 24.4381,
5.9685

262.0616,
275.0279, 168.0860

■ 14.9805, 15.6589,
2.7575

■ 48.4435, 50.7442,
18.3420

■ 8.8919, 9.2831,
0.9722

■ 65.8814, 69.0399,
28.3416

■ 4.7273, 4.9263,
0.0000

■ 87.0701, 91.2765,
41.4410

■ 2.1213, 2.2041,
0.0000

■ 112.3748,
117.8385, 58.0590

■ 0.7007, 0.7222,
0.0000

■ 142.1609,
149.1103, 78.6139

■ 0.0000, 0.0000,
0.0000

■ 176.7939,

185.4762, 103.5243

216.6390,
227.3206, 133.2089

■ 23.3584, 24.4381,
5.9685

■ 23.3584, 24.4381,
5.9685

■ 22.6020, 23.3283,
4.4741

■ 24.2511, 25.6337,
8.0849

■ 21.9659, 22.2948,
3.5265

■ 25.2905, 26.9168,
10.8842

■ 21.5108, 21.5009,
3.0164

■ 26.4876, 28.2930,
14.4215

■ 27.8519, 29.7664,
18.7462

■ 29.3922, 31.3407,
23.9031

■ 31.1165, 33.0196,
29.9336

■ 33.0322, 34.8062,
36.8766

■ 35.1466, 36.7036,
44.7684

■ 37.4662, 38.7149,
53.6434

Harmonies

Analogous

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



29.2686, 24.4381, 7.7374



23.3584, 24.4381, 5.9685



18.2730, 24.4381, 7.5746

Triad

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



23.3584, 24.4381, 5.9685



14.9360, 24.4381, 45.0837



33.9618, 24.4381, 46.0098

Complementary

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



23.3584, 24.4381, 5.9685



9.7447, 7.7305, 34.2361

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.



29.0057, 24.4381, 64.3362



23.3584, 24.4381, 5.9685



18.0810, 24.4381, 63.6654

Square

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



23.3584, 24.4381, 5.9685



13.9170, 24.4381, 26.2370



23.0975, 24.4381, 71.8334



35.9720, 24.4381, 26.9844

Rectangle

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



23.3584, 24.4381, 5.9685



15.8810, 24.4381, 10.9663



23.0975, 24.4381, 71.8334



32.5491, 24.4381, 52.6999

Sweetspot

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



23.3590, 24.4393, 5.9690



53.2054, 56.7437, 42.8448



16.6633, 9.8416, 7.4562



11.5090, 12.2841, 8.8538



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



23.3590, 24.4393, 5.9690



40.3459, 41.2558, 7.0169



22.4434, 30.1763, 7.1246



7.0381, 7.4562, 7.0539



16.7914, 16.8185, 2.3613



0.3299, 0.3600, 0.0521

Inverse Universe

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



9.7447, 7.7305, 34.2361



14.3199, 9.4424, 61.4544



10.0886, 5.8610, 33.8571



6.4049, 6.6755, 8.3576



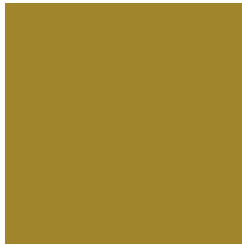
5.5012, 3.0940, 26.2145



0.1274, 0.1133, 0.4784

Previews

White Background



This preview shows how the XYZ color 23.3584, 24.4381, 5.9685 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 23.3584, 24.4381, 5.9685 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

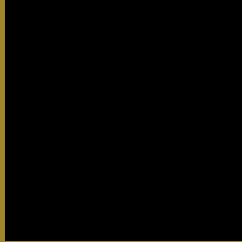
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.3584, 24.4381, 5.9685

Background



This preview shows how black text looks on a background with the XYZ color 23.3584, 24.4381, 5.9685.



This preview shows how white text looks on a background with the XYZ color 23.3584, 24.4381,

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

23.3584, 24.4381, 5.9685

Protanopia

22.2462, 24.4810, 6.1376

Deuteranopia

24.9210, 24.4438, 5.9894



Tritanopia

27.4471, 24.3520, 25.8080

Trichromacy



Original Color

23.3584, 24.4381, 5.9685

Protanomaly

22.6747, 24.4938, 6.1175

Deuteranomaly

24.2017, 24.2695, 5.9937

Tritanomaly

25.2975, 24.0306, 15.8754

Monochromacy



Original Color

23.3584, 24.4381, 5.9685

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

21.7068, 23.1734, 15.3854

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.3584, 24.4381, 5.9685 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(160, 133, 45)` looks like.

```
.text, #text, p{  
    color:rgb(160, 133, 45)  
}
```

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(160, 133, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 133, 45) }
```

Border

The CSS property to change the border of an element to XYZ 23.3584, 24.4381, 5.9685 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(160, 133, 45) }
```


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

```
.border{ border-color:rgb(160, 133, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 133, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 133, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 133, 45);  
box-shadow:4px 4px 4px 4px rgb(160, 133,  
45) }
```

Background

The CSS property to change the background color of an element to XYZ 23.3584, 24.4381, 5.9685 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 133, 45) }
```

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

```
.background{ background-color: rgb(160,  
133, 45) }
```

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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