

Converting Colors

XYZ(18.3807, 33.9251, 9.9331)

Have a look what the booklet for
XYZ(18.3807, 33.9251, 9.9331)
contains.

XYZ(18.3624, 33.8983, 9.9901)	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(18.3624, 33.8983,
9.9901)**

Conversions

Conversions Part 1

Format	Color
Hex	2BB53D
RGB	43, 181, 61
RGB Percent	17%, 71%, 24%
CMY	0.8314, 0.2902, 0.7608
CMYK	0.76, 0.00, 0.66, 0.29
HSL	128°, 62%, 44%
HSV	128°, 76%, 71%
XYZ	18.3624, 33.8983, 9.9901
YIQ	126.0580, -43.7280, -66.5760

Conversions

Conversions Part 2

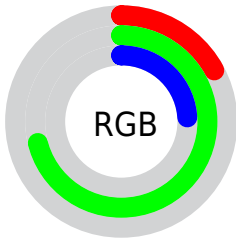
Format	Color
RYB	43, 165, 181
Decimal	2864445
CIELab	64.88, -59.58, 49.25
CIELCh	65, 77.299, 140.426
Yxy	33.8983, 0.2950, 0.5445
Android (android.graphics.Color)	4281054525 (0xFF2BB53D)
YUV	126.0580, -32.0736, -72.8419
Hunter-Lab	58.2222, -45.5928, 30.5823

Details

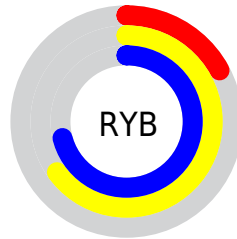
The XYZ color **18.3624, 33.8983, 9.9901** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **26.5315, 14.1962, 35.9915**, and the grayscale version is **19.9679, 21.0078, 22.8775**.

A 20% lighter version of the original color is **40.1673, 65.7435, 26.4923**, and **7.5894, 15.1787, 2.5298** is the 20% darker color. If you saturate the color by 10%, you get **17.4018, 33.4461, 8.0480**, and if you desaturate by 10%, it is **19.7857, 34.5766, 12.6048**.

Distribution



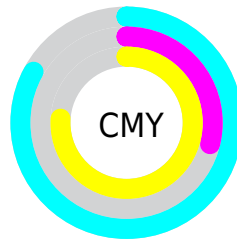
- Red (17%)
- Green (71%)
- Blue (24%)



- Red (17%)
- Yellow (65%)
- Blue (71%)



- Cyan (76%)
- Magenta (0%)
- Yellow (66%)
- Black (29%)



- Cyan (83%)
- Magenta (29%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.3624, 33.8983, 9.9901 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 18.3624, 33.8983, 9.9901 by changing the saturation by 10% instead.

■ 18.3624, 33.8983,
9.9901

■ 18.3624, 33.8983,
9.9901

235.9121,
319.6783, 201.0836

■ 11.3117, 22.8155,
5.2869

■ 40.1791, 65.7755,
26.3844

■ 6.3458, 14.4573,
2.3549

■ 55.6759, 87.3386,
38.9126

■ 3.0991, 8.4394,
0.7617

■ 74.7188, 113.1640,
54.8861

■ 1.2064, 4.3774,
0.0000

■ 97.6732, 143.6361,
74.7236

■ 0.1114, 1.8868,
0.0000

■ 124.9043,
179.1391, 98.8435

■ 0.0000, 0.5404,
0.0000

156.7776,

■ 0.0000, 0.0000,

220.0576, 127.6645

0.0000

193.6584,
266.7759, 161.6050

■ 18.3624, 33.8983,
9.9901

■ 18.3624, 33.8983,
9.9901

■ 17.4018, 33.4461,
8.0480

■ 19.7857, 34.5766,
12.6048

■ 16.8380, 33.1844,
6.7146

■ 21.7186, 35.5012,
15.9437

■ 16.6855, 33.1135,
6.3554

■ 24.2049, 36.6945,
20.0560

■ 27.2831, 38.1754,
24.9859

■ 30.9881, 39.9611,
30.7745

■ 35.3521, 42.0674,
37.4597

■ 40.4052, 44.5090,
45.0776

■ 46.1754, 47.2996,
53.6620

■ 52.6893, 50.4523,
63.2451

Harmonies

Analogous

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



25.3037, 33.8983, 4.0957



18.3624, 33.8983, 9.9901



15.3701, 33.8983, 27.6130

Triad

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



18.3624, 33.8983, 9.9901



28.7845, 33.8983, 136.5411



56.7654, 33.8983, 19.3656

Complementary

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



18.3624, 33.8983, 9.9901



26.5315, 14.1962, 35.9915

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.



58.3093, 33.8983, 48.0884



18.3624, 33.8983, 9.9901



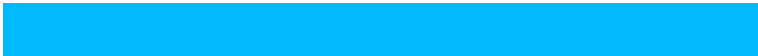
40.2924, 33.8983, 129.4806

Square

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



18.3624, 33.8983, 9.9901



20.4036, 33.8983, 107.3122



51.7227, 33.8983, 91.4462



47.8923, 33.8983, 6.9343

Rectangle

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



18.3624, 33.8983, 9.9901



15.4039, 33.8983, 49.1678



51.7227, 33.8983, 91.4462



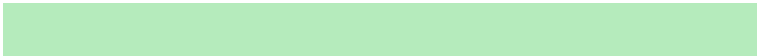
58.2273, 33.8983, 26.8794

Sweetspot

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



18.3632, 33.8997, 9.9909



57.6089, 72.5855, 58.3713



32.4575, 41.2125, 8.5295



11.8857, 15.4155, 11.7433



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



18.3632, 33.8997, 9.9909



30.4593, 59.5700, 12.7948



21.4238, 35.1239, 26.1077



8.4326, 9.5075, 9.2718



11.5172, 22.8328, 4.4602



0.3766, 0.7241, 0.2155

Inverse Universe

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



26.5315, 14.1962, 35.9915



45.6309, 22.6273, 60.8323



22.0275, 12.3946, 12.2738



8.8014, 8.6273, 10.4525



17.3732, 8.4668, 22.9230



0.5598, 0.2717, 0.7908

Previews

White Background



This preview shows how the XYZ color 18.3624, 33.8983, 9.9901 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 18.3624, 33.8983, 9.9901 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 18.3624, 33.8983, 9.9901

Background



This preview shows how black text looks on a background with the XYZ color 18.3624, 33.8983, 9.9901.



This preview shows how white text looks on a background with the XYZ color 18.3624, 33.8983,

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

18.3624, 33.8983, 9.9901

Protanopia

30.2335, 33.1572, 8.2965

Deuteranopia

33.8771, 33.2873, 10.6008



Tritanopia

26.3025, 33.6338, 49.9054

Trichromacy



Original Color

18.3624, 33.8983, 9.9901



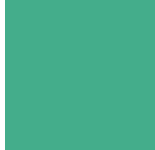
Protanomaly

22.9460, 31.7177, 8.7836



Deuteranomaly

24.2392, 31.2983, 10.0738



Tritanomaly

21.9877, 32.9802, 29.6330

Monochromacy



Original Color

18.3624, 33.8983, 9.9901



Achromatopsia

19.8309, 20.8637, 22.7206



Achromatomaly

17.5010, 24.0039, 16.2812

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3624, 33.8983, 9.9901 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(43, 181, 61)` looks like.

```
.text, #text, p{  
    color:rgb(43, 181, 61)  
}
```

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(43, 181, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 181, 61) }
```

Border

The CSS property to change the border of an element to XYZ 18.3624, 33.8983, 9.9901 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(43, 181, 61) }
```


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

```
.border{ border-color:rgb(43, 181, 61) }
```

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

Here you see how a box with a 4 pixel rgb(43, 181, 61) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 181, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 181, 61);  
box-shadow:4px 4px 4px 4px rgb(43, 181,  
61) }
```

Background

The CSS property to change the background color of an element to XYZ 18.3624, 33.8983, 9.9901 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 181, 61) }
```

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

```
.background{ background-color: rgb(43, 181,  
61) }
```

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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