

Converting Colors

XYZ(19.9978, 23.3744, 3.6587)

Have a look what the booklet for
XYZ(19.9978, 23.3744, 3.6587)
contains.

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Color

**XYZ(19.9978, 23.3744,
3.6587)**

Conversions

Conversions Part 1

Format	Color
Hex	8E8807
RGB	142, 136, 7
RGB Percent	56%, 53%, 3%
CMY	0.4431, 0.4667, 0.9725
CMYK	0.00, 0.04, 0.95, 0.44
HSL	57°, 91%, 29%
HSV	57°, 95%, 56%
XYZ	19.9978, 23.3744, 3.6587
YIQ	123.0880, 44.9850, -38.8470

Conversions

Conversions Part 2

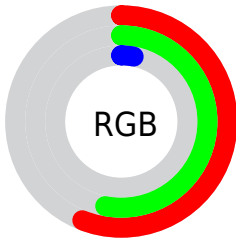
Format	Color
RYB	13, 142, 7
Decimal	9340935
CIELab	55.46, -10.62, 58.66
CIELCh	55, 59.614, 100.257
Yxy	23.3744, 0.4252, 0.4970
Android (android.graphics.Color)	4287531015 (0xFF8E8807)
YUV	123.0880, -57.2314, 16.5858
Hunter-Lab	48.3471, -10.7744, 29.3561

Details

The XYZ color **19.9978, 23.3744, 3.6587** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **5.1142, 2.2862, 25.7627**, and the grayscale version is **19.0293, 20.0203, 21.8021**.

A 20% lighter version of the original color is **42.8881, 48.9922, 13.1572**, and **7.4327, 8.8911, 1.3244** is the 20% darker color. If you saturate the color by 10%, you get **19.9161, 23.2726, 3.4424**, and if you desaturate by 10%, it is **20.1863, 23.5932, 4.2097**.

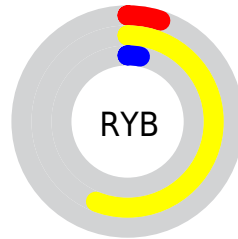
Distribution



Red (56%)

Green (53%)

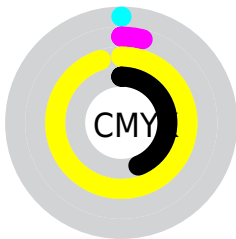
Blue (3%)



Red (5%)

Yellow (56%)

Blue (3%)

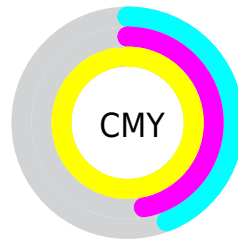


Cyan (0%)

Magenta (4%)

Yellow (95%)

Black (44%)



Cyan (44%)

Magenta (47%)

Yellow (97%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.9978, 23.3744, 3.6587 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 19.9978, 23.3744, 3.6587 by changing the saturation by 10% instead.

■ 19.9978, 23.3744,
3.6587

■ 19.9978, 23.3744,
3.6587

244.7370,
269.6422, 144.3527

■ 12.5017, 14.8702,
1.4400

■ 42.9175, 49.0074,
13.2146

■ 7.1609, 8.7283,
0.1727

■ 59.0717, 66.9049,
21.3890

■ 3.6102, 4.5644,
0.0000

■ 78.8428, 88.7024,
32.3857

■ 1.4841, 1.9940,
0.0000

■ 102.5960,
114.7842, 46.6232

■ 0.3149, 0.6040,
0.0000

■ 130.6966,
145.5346, 64.5202

■ 0.0000, 0.0000,
0.0000

■ 163.5101,

181.3382, 86.4950

201.4018,
222.5793, 112.9664

19.9978, 23.3744,
3.6587

19.9978, 23.3744,
3.6587

19.9161, 23.2726,
3.4424

20.1863, 23.5932,
4.2097

20.4481, 23.8413,
5.1462

20.7961, 24.1248,
6.5340

21.2394, 24.4472,
8.4214

21.7861, 24.8117,
10.8503

■ 22.4433, 25.2213,
13.8584

■ 23.2174, 25.6786,
17.4801

■ 24.1146, 26.1859,
21.7470

■ 25.1404, 26.7455,
26.6884

Harmonies

Analogous

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



26.8655, 23.3744, 4.1100



19.9978, 23.3744, 3.6587



14.8795, 23.3744, 6.3859

Triad

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



19.9978, 23.3744, 3.6587



13.7544, 23.3744, 57.5693



36.7049, 23.3744, 40.0819

Complementary

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



19.9978, 23.3744, 3.6587



5.1142, 2.2862, 25.7627

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.



31.6393, 23.3744, 65.3389



19.9978, 23.3744, 3.6587



18.1377, 23.3744, 78.4660

Square

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



19.9978, 23.3744, 3.6587



11.7868, 23.3744, 32.6127



24.5939, 23.3744, 81.8635



37.4820, 23.3744, 19.4225

Rectangle

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



19.9978, 23.3744, 3.6587



12.7928, 23.3744, 11.1698



24.5939, 23.3744, 81.8635



35.4053, 23.3744, 48.5317

Sweetspot

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



19.9983, 23.3755, 3.6592



40.2964, 44.9058, 27.7884



11.3089, 5.9339, 0.9562



8.8883, 9.9632, 5.6840



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



19.9983, 23.3755, 3.6592



35.0883, 40.9747, 6.0596



13.1264, 21.1217, 3.5863



5.8193, 6.2449, 5.7881



17.8855, 20.9027, 3.0920



0.1751, 0.2081, 0.0309

Inverse Universe

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



5.1142, 2.2862, 25.7627



8.6984, 3.6210, 45.3683



7.3253, 3.3253, 25.8467



5.1476, 5.2910, 6.7787



4.4489, 1.8838, 23.1062



0.0456, 0.0241, 0.2219

Previews

White Background



This preview shows how the XYZ color 19.9978, 23.3744, 3.6587 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 19.9978, 23.3744, 3.6587 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

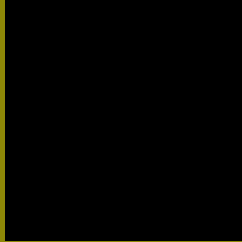
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.9978, 23.3744, 3.6587

Background



This preview shows how black text looks on a background with the XYZ color 19.9978, 23.3744, 3.6587.



This preview shows how white text looks on a background with the XYZ color 19.9978, 23.3744,

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

19.9978, 23.3744, 3.6587

Protanopia

20.9871, 23.2679, 3.4999

Deuteranopia

23.7356, 23.2970, 3.9076



Tritanopia

24.6673, 23.2786, 26.4857

Trichromacy



Original Color

19.9978, 23.3744, 3.6587

Protanomaly

20.5851, 23.2642, 3.5491

Deuteranomaly

22.3669, 23.3707, 3.7841

Tritanomaly

21.9985, 22.9824, 12.7278

Monochromacy



Original Color

19.9978, 23.3744, 3.6587

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

18.4103, 20.7783, 10.8249

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9978, 23.3744, 3.6587 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(142, 136, 7)` looks like.

```
.text, #text, p{  
    color:rgb(142, 136, 7)  
}
```

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(142, 136, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 136, 7) }
```

Border

The CSS property to change the border of an element to XYZ 19.9978, 23.3744, 3.6587 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(142, 136, 7) }
```


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

```
.border{ border-color:rgb(142, 136, 7) }
```

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

Here you see how a box with a 4 pixel rgb(142, 136, 7) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 136, 7); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 136, 7);  
box-shadow:4px 4px 4px 4px rgb(142, 136,  
7) }
```

Background

The CSS property to change the background color of an element to XYZ 19.9978, 23.3744, 3.6587 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 136, 7) }
```

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

```
.background{ background-color: rgb(142,  
136, 7) }
```

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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