

Converting Colors

XYZ(19.1450, 23.7152, 4.1398)

Have a look what the booklet for
XYZ(19.1450, 23.7152, 4.1398)
contains.

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Color

**XYZ(19.1601, 23.7864,
4.1537)**

Conversions

Conversions Part 1

Format	Color
Hex	858C12
RGB	133, 140, 18
RGB Percent	52%, 55%, 7%
CMY	0.4784, 0.4510, 0.9294
CMYK	0.05, 0.00, 0.87, 0.45
HSL	63°, 77%, 31%
HSV	63°, 87%, 55%
XYZ	19.1601, 23.7864, 4.1537
YIQ	123.9990, 34.9900, -39.4260

Conversions

Conversions Part 2

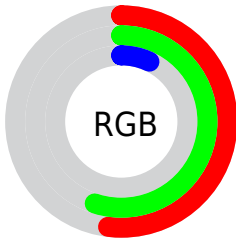
Format	Color
R_{YB}	18, 140, 25
Decimal	8752146
CIE _{Lab}	55.87, -16.63, 56.59
CIE _{LCh}	56, 58.984, 106.372
Yxy	23.7864, 0.4068, 0.5050
Android (android.graphics.Color)	4286942226 (0xFF858C12)
YUV	123.9990, -52.2575, 7.8939
Hunter-Lab	48.7713, -15.2250, 29.0904

Details

The XYZ color **19.1601, 23.7864, 4.1537** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **5.3516, 2.5333, 25.0194**, and the grayscale version is **19.3192, 20.3253, 22.1343**.

A 20% lighter version of the original color is **41.3958, 49.4946, 14.3928**, and **6.8806, 8.9746, 1.3696** is the 20% darker color. If you saturate the color by 10%, you get **18.9469, 23.6874, 3.6886**, and if you desaturate by 10%, it is **19.4396, 23.9138, 4.9584**.

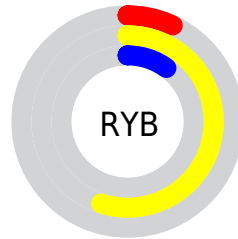
Distribution



Red (52%)

Green (55%)

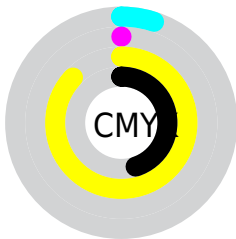
Blue (7%)



Red (7%)

Yellow (55%)

Blue (10%)

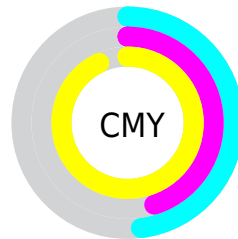


Cyan (5%)

Magenta (0%)

Yellow (87%)

Black (45%)



Cyan (48%)

Magenta (45%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.1601, 23.7864, 4.1537 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 19.1601, 23.7864, 4.1537 by changing the saturation by 10% instead.

■ 19.1601, 23.7864,
4.1537

■ 19.1601, 23.7864,
4.1537

240.2524,
271.7388, 149.9187

■ 11.8907, 15.1752,
1.7100

■ 41.5192, 49.6814,
14.3627

■ 6.7410, 8.9425,
0.3676

■ 57.3397, 67.7341,
22.9651

■ 3.3455, 4.7037,
0.0000

■ 76.7412, 89.7027,
34.4576

■ 1.3390, 2.0745,
0.0000

■ 100.0892,
115.9716, 49.2586

■ 0.2121, 0.6502,
0.0000

■ 127.7489,
146.9253, 67.7866

■ 0.0000, 0.0000,
0.0000

■ 160.0858,

182.9481, 90.4603

197.4652,
224.4245, 117.6982

19.1601, 23.7864,
4.1537

19.1601, 23.7864,
4.1537

18.9469, 23.6874,
3.6886

19.4396, 23.9138,
4.9584

18.8889, 23.6601,
3.5713

19.8005, 24.0730,
6.1886

20.2524, 24.2687,
7.8932

20.8033, 24.5041,
10.1136

21.4601, 24.7820,
12.8871

■ 22.2293, 25.1050,
16.2472

■ 23.1169, 25.4754,
20.2252

■ 24.1281, 25.8954,
24.8497

■ 25.2683, 26.3671,
30.1478

Harmonies

Analogous

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



25.7894, 23.7864, 4.0198



19.1601, 23.7864, 4.1537



14.4900, 23.7864, 7.8448

Triad

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



19.1601, 23.7864, 4.1537



14.8175, 23.7864, 62.9519



37.6237, 23.7864, 35.6270

Complementary

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



19.1601, 23.7864, 4.1537



5.3516, 2.5333, 25.0194

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.



33.3030, 23.7864, 60.7147



19.1601, 23.7864, 4.1537



19.7001, 23.7864, 81.0318

Square

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



19.1601, 23.7864, 4.1537



12.3439, 23.7864, 37.7853



26.4471, 23.7864, 80.0551



37.3993, 23.7864, 16.8107

Rectangle

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



19.1601, 23.7864, 4.1537



12.7210, 23.7864, 13.7246



26.4471, 23.7864, 80.0551



36.6230, 23.7864, 43.7297

Sweetspot

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



19.1606, 23.7875, 4.1542



39.2754, 44.2948, 29.0256



11.2540, 6.2772, 1.1911



8.9493, 10.1644, 6.2431



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.



19.1606, 23.7875, 4.1542



33.2534, 41.6872, 6.2938



12.2285, 20.2138, 3.8298



5.4032, 5.8306, 5.3930



16.7883, 21.0247, 3.1733



0.1155, 0.1417, 0.0213

Inverse Universe

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



5.3516, 2.5333, 25.0194



8.4758, 3.4053, 43.9535



8.7063, 4.2627, 25.1764



4.7995, 4.9051, 6.2997



4.3014, 1.7315, 22.1532



0.0316, 0.0131, 0.1473

Previews

White Background



This preview shows how the XYZ color 19.1601, 23.7864, 4.1537 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 19.1601, 23.7864, 4.1537 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

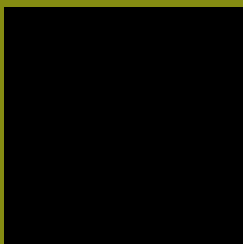
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.1601, 23.7864, 4.1537

Background



This preview shows how black text looks on a background with the XYZ color 19.1601, 23.7864, 4.1537.



This preview shows how white text looks on a background with the XYZ color 19.1601, 23.7864,

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

19.1601, 23.7864, 4.1537

Protanopia

21.3811, 23.6669, 3.9315

Deuteranopia

24.1612, 23.6976, 4.3993



Tritanopia

24.0439, 23.6984, 28.1179

Trichromacy



Original Color

19.1601, 23.7864, 4.1537

Protanomaly

20.4069, 23.5781, 4.0058

Deuteranomaly

22.1264, 23.6364, 4.2602

Tritanomaly

21.2839, 23.3837, 14.4581

Monochromacy



Original Color

19.1601, 23.7864, 4.1537

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

18.3747, 21.1332, 11.7050

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.1601, 23.7864, 4.1537 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(133, 140, 18)` looks like.

```
.text, #text, p{  
    color:rgb(133, 140, 18)  
}
```

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(133, 140, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 140, 18) }
```

Border

The CSS property to change the border of an element to XYZ 19.1601, 23.7864, 4.1537 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(133, 140, 18) }
```


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

```
.border{ border-color:rgb(133, 140, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 140, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 140, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 140, 18);  
box-shadow:4px 4px 4px 4px rgb(133, 140,  
18) }
```

Background

The CSS property to change the background color of an element to XYZ 19.1601, 23.7864, 4.1537 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 140, 18) }
```

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

```
.background{ background-color: rgb(133,  
140, 18) }
```

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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