

Converting Colors

XYZ(19.8665, 15.8108, 47.3528)

Have a look what the booklet for
XYZ(19.8665, 15.8108, 47.3528)
contains.

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Color

**XYZ(19.9236, 15.8951,
47.3654)**

Conversions

Conversions Part 1

Format	Color
Hex	7163B8
RGB	113, 99, 184
RGB Percent	44%, 39%, 72%
CMY	0.5569, 0.6118, 0.2784
CMYK	0.39, 0.46, 0.00, 0.28
HSL	250°, 37%, 55%
HSV	250°, 46%, 72%
XYZ	19.9236, 15.8951, 47.3654
YIQ	112.8760, -18.9410, 29.4030

Conversions

Conversions Part 2

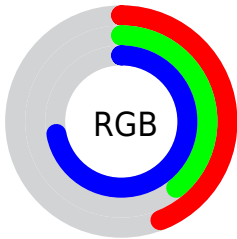
Format	Color
R_{YB}	113, 99, 184
Decimal	7431096
CIE Lab	46.84, 26.17, -43.20
CIE LCh	47, 50.510, 301.204
Yxy	15.8951, 0.2395, 0.1911
Android (android.graphics.Color)	4285621176 (0xFF7163B8)
YUV	112.8760, 35.0641, 0.1087
Hunter-Lab	39.8687, 19.4318, -42.5306

Details

The XYZ color **19.9236, 15.8951, 47.3654** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **35.9704, 43.7282, 18.3494**, and the grayscale version is **15.5633, 16.3738, 17.8311**.

A 20% lighter version of the original color is **42.9320, 36.4884, 87.9993**, and **7.1207, 5.0283, 21.7144** is the 20% darker color. If you saturate the color by 10%, you get **16.5623, 11.8629, 46.7646**, and if you desaturate by 10%, it is **24.0182, 20.8953, 48.1150**.

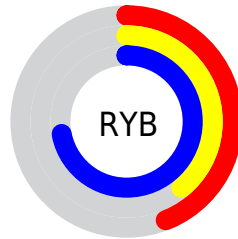
Distribution



Red (44%)

Green (39%)

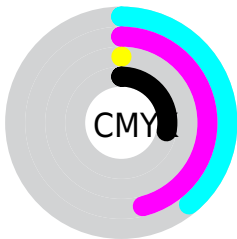
Blue (72%)



Red (44%)

Yellow (39%)

Blue (72%)

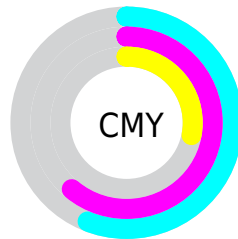


Cyan (39%)

Magenta (46%)

Yellow (0%)

Black (28%)



Cyan (56%)

Magenta (61%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.9236, 15.8951, 47.3654 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 19.9236, 15.8951, 47.3654 by changing the saturation by 10% instead.

■ 19.9236, 15.8951,
47.3654

■ 19.9236, 15.8951,
47.3654

244.3427,
228.7219, 392.7071

■ 12.4475, 9.4500,
32.9682

■ 42.7940, 36.4160,
87.6145

■ 7.1235, 5.0358,
21.8312

■ 58.9189, 51.2605,
114.3034

■ 3.5865, 2.2683,
13.5358

■ 78.6575, 69.6737,
145.9267

■ 1.4710, 0.7568,
7.6635

■ 102.3751, 92.0398,
182.9029

■ 0.3060, 0.0000,
3.7957

130.4371,
118.7433, 225.6505

■ 0.0000, 0.0000,
1.5139

163.2088,

■ 0.0000, 0.0000,

150.1685, 274.5880

0.2283

201.0555,
186.6999, 330.1340

■ 0.0000, 0.0000,
0.0000

■ 19.9236, 15.8951,
47.3654

■ 19.9236, 15.8951,
47.3654

■ 16.5623, 11.8629,
46.7646

■ 24.0182, 20.8953,
48.1150

■ 13.8881, 8.7337,
46.3015

■ 28.8846, 26.9194,
49.0213

■ 11.8527, 6.4369,
45.9655

■ 34.5608, 34.0210,
50.0929

■ 10.4000, 4.8908,
45.7436

■ 41.0819, 42.2494,
51.3374

■ 9.4608, 3.9906,
45.6194

■ 48.4806, 51.6511,
52.7622

■ 9.1963, 3.7414,
45.5852

■ 56.7882, 62.2696,
54.3739

■ 66.0342, 74.1464,
56.1790

■ 76.2469, 87.3210,
58.1837

■ 84.3130, 95.5506,
59.3471

Harmonies

Analogous

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



15.2862, 15.8951, 54.5417



19.9236, 15.8951, 47.3654



23.7914, 15.8951, 31.7816

Triad

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



19.9236, 15.8951, 47.3654



19.5558, 15.8951, 3.5804



8.1350, 15.8951, 17.8209

Complementary

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



19.9236, 15.8951, 47.3654



35.9704, 43.7282, 18.3494

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.



8.8453, 15.8951, 8.0695



19.9236, 15.8951, 47.3654



14.9308, 15.8951, 2.6337

Square

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



19.9236, 15.8951, 47.3654



23.5517, 15.8951, 7.5511



11.1382, 15.8951, 3.7614



8.9702, 15.8951, 33.1216

Rectangle

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



19.9236, 15.8951, 47.3654



25.0946, 15.8951, 21.2786



11.1382, 15.8951, 3.7614



8.1998, 15.8951, 13.8632

Sweetspot

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



19.9242, 15.8957, 47.3658



64.8454, 64.4325, 91.2236



28.4079, 35.3341, 50.6707



13.4623, 13.2401, 19.5677



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.



19.9242, 15.8957, 47.3658



30.1737, 21.6828, 84.7995



26.4881, 19.2795, 47.6730



8.6553, 8.7887, 11.3196



6.3791, 2.5997, 31.4187



0.2680, 0.1139, 1.1096

Inverse Universe

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



31.4850, 22.0168, 40.6204



53.8346, 34.2306, 70.0888



28.4084, 39.8298, 17.9955



9.3157, 9.1366, 11.0098



17.6478, 8.6329, 21.8300



0.6393, 0.3112, 0.8597

Previews

White Background



This preview shows how the XYZ color 19.9236, 15.8951, 47.3654 looks on a white 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

Black Background



This preview shows how the XYZ color 19.9236, 15.8951, 47.3654 looks on a black 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

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

XYZ 19.9236, 15.8951, 47.3654

Background



This preview shows how black text looks on a background with the XYZ color 19.9236, 15.8951, 47.3654.



This preview shows how white text looks on a background with the XYZ color 19.9236, 15.8951,

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

19.9236, 15.8951, 47.3654

Protanopia

17.7359, 15.9918, 52.6040

Deuteranopia

16.3397, 15.8984, 45.9236



Tritanopia

14.5636, 15.8680, 20.7076

Trichromacy



Original Color

19.9236, 15.8951, 47.3654

Protanomaly

18.3703, 15.8956, 50.8151

Deuteranomaly

17.3573, 15.7776, 46.3865

Tritanomaly

16.1823, 15.7125, 28.9680

Monochromacy



Original Color

19.9236, 15.8951, 47.3654

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

16.8328, 16.0999, 26.6465

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9236, 15.8951, 47.3654 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(113, 99, 184)` looks like.

```
.text, #text, p{  
    color:rgb(113, 99, 184)  
}
```

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(113, 99, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 99, 184) }
```

Border

The CSS property to change the border of an element to XYZ 19.9236, 15.8951, 47.3654 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(113, 99, 184) }
```


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

```
.border{ border-color:rgb(113, 99, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 99, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 99, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 99, 184);  
box-shadow:4px 4px 4px 4px rgb(113, 99,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 19.9236, 15.8951, 47.3654 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 99, 184) }
```

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

```
.background{ background-color: rgb(113, 99,  
184) }
```

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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