

Converting Colors

XYZ(23.8918, 19.9136, 64.2127)

Have a look what the booklet for
XYZ(23.8918, 19.9136, 64.2127)
contains.

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Color

**XYZ(23.8386, 19.8636,
64.2056)**

Conversions

Conversions Part 1

Format	Color
Hex	6B72D3
RGB	107, 114, 211
RGB Percent	42%, 45%, 83%
CMY	0.5804, 0.5529, 0.1725
CMYK	0.49, 0.46, 0.00, 0.17
HSL	236°, 54%, 62%
HSV	236°, 49%, 83%
XYZ	23.8386, 19.8636, 64.2056
YIQ	122.9650, -35.3090, 28.6830

Conversions

Conversions Part 2

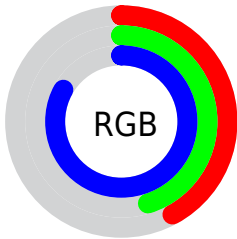
Format	Color
R _Y B	107, 114, 211
Decimal	7041747
CIE Lab	51.68, 23.58, -51.02
CIE LCh	52, 56.206, 294.809
Yxy	19.8636, 0.2209, 0.1841
Android (android.graphics.Color)	4285231827 (0xFF6B72D3)
YUV	122.9650, 43.4013, -14.0013
Hunter-Lab	44.5686, 17.4800, -54.2153

Details

The XYZ color **23.8386, 19.8636, 64.2056** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **51.1120, 58.0981, 22.4314**, and the grayscale version is **18.6858, 19.6589, 21.4086**.

A 20% lighter version of the original color is **46.9961, 42.3849, 100.3119**, and **9.1679, 6.9251, 32.3060** is the 20% darker color. If you saturate the color by 10%, you get **19.6183, 14.7397, 63.4394**, and if you desaturate by 10%, it is **29.1570, 26.2629, 65.1609**.

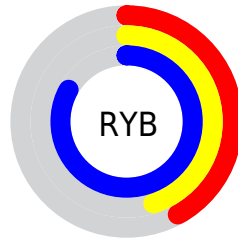
Distribution



Red (42%)

Green (45%)

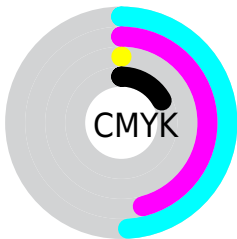
Blue (83%)



Red (42%)

Yellow (45%)

Blue (83%)

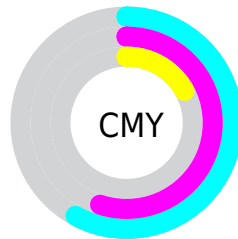


Cyan (49%)

Magenta (46%)

Yellow (0%)

Black (17%)



Cyan (58%)

Magenta (55%)

Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.8386, 19.8636, 64.2056 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 23.8386, 19.8636, 64.2056 by changing the saturation by 10% instead.

■ 23.8386, 19.8636,
64.2056

■ 23.8386, 19.8636,
64.2056

264.4591,
251.1757, 458.1595

■ 15.3380, 12.2959,
46.3700

■ 49.2233, 43.1884,
112.5093

■ 9.1448, 6.9456,
32.1871

■ 66.8381, 59.7143,
143.8144

■ 4.8936, 3.4281,
21.2384

■ 88.2217, 79.9951,
180.4465

■ 2.2191, 1.3591,
13.1055

■ 113.7395,
104.4151, 222.8240

■ 0.7528, 0.1863,
7.3696

143.7567,
133.3588, 271.3656

■ 0.0000, 0.0000,
3.6124

178.6389,

■ 0.0000, 0.0000,

167.2105, 326.4896

1.4152

218.7512,
206.3547, 388.6148

■ 0.0000, 0.0000,
0.1535

■ 0.0000, 0.0000,
0.0000

■ 23.8386, 19.8636,
64.2056

■ 23.8386, 19.8636,
64.2056

■ 19.6183, 14.7397,
63.4394

■ 29.1570, 26.2629,
65.1609

■ 16.4168, 10.8039,
62.8485

■ 35.6405, 34.0134,
66.3152

■ 14.1483, 7.9607,
62.4193

■ 43.3533, 43.1869,
67.6793

■ 12.7116, 6.0993,
62.1357

■ 52.3547, 53.8499,
69.2631

■ 11.9562, 5.0717,
61.9772

■ 62.6997, 66.0646,
71.0755

■ 11.9176, 5.0226,
61.9697

■ 74.4405, 79.8895,
73.1252

■ 87.6261, 95.3805,
75.4203

■ 88.7579, 97.4832,
75.7665

Harmonies

Analogous

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



17.9096, 19.8636, 70.0682



23.8386, 19.8636, 64.2056



29.2754, 19.8636, 45.1005

Triad

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



23.8386, 19.8636, 64.2056



25.8926, 19.8636, 4.8221



9.9641, 19.8636, 18.9220

Complementary

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



23.8386, 19.8636, 64.2056



51.1120, 58.0981, 22.4314

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.



11.2923, 19.8636, 8.1543



23.8386, 19.8636, 64.2056



19.8844, 19.8636, 3.0467

Square

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



23.8386, 19.8636, 64.2056



30.6181, 19.8636, 10.9866



14.6612, 19.8636, 3.8554



10.6058, 19.8636, 37.5699

Rectangle

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



23.8386, 19.8636, 64.2056



31.4901, 19.8636, 30.8942



14.6612, 19.8636, 3.8554



10.1855, 19.8636, 14.4290

Sweetspot

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



23.8394, 19.8643, 64.2061



72.0070, 72.7654, 104.8577



40.0587, 53.9950, 64.3956



14.8002, 14.8489, 22.3360



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



23.8394, 19.8643, 64.2061



29.9164, 22.3829, 97.3513



29.6558, 21.7356, 64.2607



11.2266, 11.5435, 14.8801



7.2193, 3.0852, 37.4075



0.4266, 0.2183, 2.0992

Inverse Universe

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



35.1597, 25.5803, 19.0044



49.3215, 32.5020, 19.7949



42.0266, 55.9390, 22.4935



11.8405, 11.8210, 12.4361



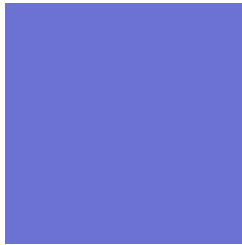
16.2747, 8.3827, 1.0868



0.9215, 0.4733, 0.1216

Previews

White Background



This preview shows how the XYZ color 23.8386, 19.8636, 64.2056 looks on a white background.

Color Contrast Check

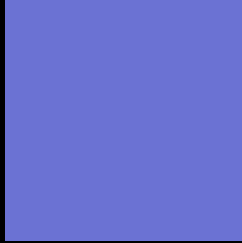
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.8386, 19.8636, 64.2056 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

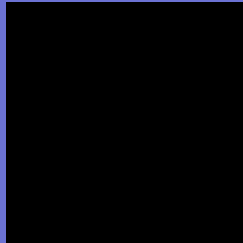
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.8386, 19.8636, 64.2056

Background



This preview shows how black text looks on a background with the XYZ color 23.8386, 19.8636, 64.2056.



This preview shows how white text looks on a background with the XYZ color 23.8386, 19.8636,

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

23.8386, 19.8636, 64.2056

Protanopia

22.3827, 20.0624, 68.3384

Deuteranopia

20.6407, 20.0109, 63.0962



Tritanopia

16.6281, 19.8668, 28.1576

Trichromacy



Original Color

23.8386, 19.8636, 64.2056

Protanomaly

22.8640, 19.9870, 66.9428

Deuteranomaly

21.4912, 19.7058, 63.6437

Tritanomaly

18.7067, 19.5482, 38.8636

Monochromacy



Original Color

23.8386, 19.8636, 64.2056

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

19.9690, 19.5814, 33.7375

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8386, 19.8636, 64.2056 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(107, 114, 211)` looks like.

```
.text, #text, p{  
    color:rgb(107, 114, 211)  
}
```

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(107, 114, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 114, 211) }
```

Border

The CSS property to change the border of an element to XYZ 23.8386, 19.8636, 64.2056 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(107, 114, 211) }
```


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

```
.border{ border-color:rgb(107, 114, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 114, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 114, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 114, 211);  
box-shadow:4px 4px 4px 4px rgb(107, 114,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 23.8386, 19.8636, 64.2056 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 114, 211) }
```

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

```
.background{ background-color: rgb(107,  
114, 211) }
```

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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