

Converting Colors

XYZ(23.8808, 19.7137, 4.2354)

Have a look what the booklet for
XYZ(23.8808, 19.7137, 4.2354)
contains.

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Color

**XYZ(23.9604, 19.8142,
4.2307)**

Conversions

Conversions Part 1

Format	Color
Hex	B36924
RGB	179, 105, 36
RGB Percent	70%, 41%, 14%
CMY	0.2980, 0.5882, 0.8588
CMYK	0.00, 0.41, 0.80, 0.30
HSL	29°, 67%, 42%
HSV	29°, 80%, 70%
XYZ	23.9604, 19.8142, 4.2307
YIQ	119.2600, 66.2530, -5.7710

Conversions

Conversions Part 2

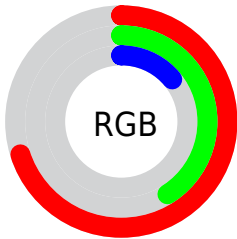
Format	Color
R_{YB}	179, 169, 36
Decimal	11757860
CIE Lab	51.63, 24.36, 48.86
CIE LCh	52, 54.594, 63.497
Yxy	19.8142, 0.4991, 0.4128
Android (android.graphics.Color)	4289947940 (0xFFB36924)
YUV	119.2600, -41.0472, 52.3920
Hunter-Lab	44.5131, 18.1844, 25.5241

Details

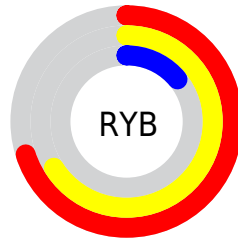
The XYZ color **23.9604, 19.8142, 4.2307** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **14.4397, 14.7807, 44.7394**, and the grayscale version is **17.7289, 18.6522, 20.3123**.

A 20% lighter version of the original color is **49.3333, 43.1365, 14.5301**, and **9.3483, 6.9912, 0.8567** is the 20% darker color. If you saturate the color by 10%, you get **22.8597, 17.9465, 2.8358**, and if you desaturate by 10%, it is **25.3014, 21.9441, 6.3801**.

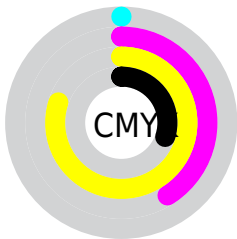
Distribution



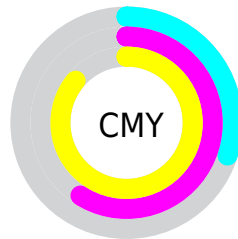
- Red (70%)
- Green (41%)
- Blue (14%)



- Red (70%)
- Yellow (66%)
- Blue (14%)



- Cyan (0%)
- Magenta (41%)
- Yellow (80%)
- Black (30%)





- Cyan (30%)
- Magenta (59%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.9604, 19.8142, 4.2307 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 23.9604, 19.8142, 4.2307 by changing the saturation by 10% instead.


 23.9604, 19.8142,
4.2307


 23.9604, 19.8142,
4.2307


265.0644,
250.9075, 150.7561


 15.4288, 12.2601,
1.7527


 49.4207, 43.1055,
14.5384


 9.2092, 6.9210,
0.3965


 67.0802, 59.6114,
23.2053

 4.9361, 3.4128,
0.0000

 88.5130, 79.8700,
34.7721

 2.2442, 1.3508,
0.0000

 114.0844,
104.2657, 49.6576

 0.7659, 0.1801,
0.0000

 144.1600,
133.1829, 68.2802

 0.0000, 0.0000,
0.0000

 179.1049,

167.0060, 91.0584

219.2846,
206.1194, 118.4109

■ 23.9604, 19.8142,
4.2307

■ 23.9604, 19.8142,
4.2307

■ 22.8597, 17.9465,
2.8358

■ 25.3014, 21.9441,
6.3801

■ 21.9577, 16.3167,
1.9979

■ 26.9024, 24.3467,
9.3785

■ 21.9482, 16.2994,
1.9893

■ 28.7822, 27.0350,
13.3077

■ 30.9570, 30.0201,
18.2393

■ 33.4418, 33.3125,
24.2378

■ 36.2501, 36.9219,
31.3624

■ 39.3950, 40.8576,
39.6677

■ 42.8883, 45.1283,
49.2048

■ 46.7415, 49.7426,
60.0219

Harmonies

Analogous

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



29.1069, 19.8142, 8.7988



23.9604, 19.8142, 4.2307



18.1947, 19.8142, 3.2602

Triad

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



23.9604, 19.8142, 4.2307



10.1223, 19.8142, 23.4763



25.2972, 19.8142, 57.9980

Complementary

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



23.9604, 19.8142, 4.2307



14.4397, 14.7807, 44.7394

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.



19.4857, 19.8142, 68.1621



23.9604, 19.8142, 4.2307



11.3151, 19.8142, 42.9939

Square

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



23.9604, 19.8142, 4.2307



10.8617, 19.8142, 10.6798



14.4945, 19.8142, 61.6461



29.9783, 19.8142, 38.1200

Rectangle

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



23.9604, 19.8142, 4.2307



14.9210, 19.8142, 4.0080



14.4945, 19.8142, 61.6461



23.3747, 19.8142, 63.0086

Sweetspot

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



23.9608, 19.8152, 4.2311



62.5777, 63.1346, 50.1482



22.1607, 12.0213, 16.5597



13.4770, 13.4881, 10.1342



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.



23.9608, 19.8152, 4.2311



39.6813, 29.8556, 3.9378



34.0898, 40.0732, 7.6074



8.8234, 9.1594, 8.9554



15.5743, 11.6472, 1.4273



0.5485, 0.4835, 0.0644

Inverse Universe

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



14.4397, 14.7807, 44.7394



21.9660, 20.4433, 79.1694



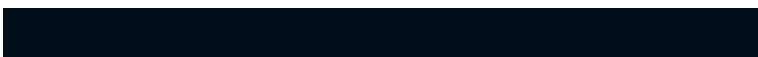
9.6492, 5.1997, 43.1426



8.3935, 8.9332, 10.7882



8.5580, 7.9164, 31.2140



0.3273, 0.3652, 1.0015

Previews

White Background



This preview shows how the XYZ color 23.9604, 19.8142, 4.2307 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 23.9604, 19.8142, 4.2307 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 23.9604, 19.8142, 4.2307

Background



This preview shows how black text looks on a background with the XYZ color 23.9604, 19.8142, 4.2307.



This preview shows how white text looks on a background with the XYZ color 23.9604, 19.8142,

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

23.9604, 19.8142, 4.2307

Protanopia

18.0891, 19.9787, 5.0007

Deuteranopia

20.1262, 19.7901, 4.0554



Tritanopia

26.2089, 19.7004, 15.7858

Trichromacy



Original Color

23.9604, 19.8142, 4.2307

Protanomaly

19.8644, 19.6414, 4.6637

Deuteranomaly

21.4895, 19.8126, 4.1304

Tritanomaly

25.1577, 19.7103, 10.0679

Monochromacy



Original Color

23.9604, 19.8142, 4.2307

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

18.8050, 18.4186, 12.0152

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.9604, 19.8142, 4.2307 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(179, 105, 36)` looks like.

```
.text, #text, p{  
    color:rgb(179, 105, 36)  
}
```

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(179, 105, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 105, 36) }
```

Border

The CSS property to change the border of an element to XYZ 23.9604, 19.8142, 4.2307 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(179, 105, 36) }
```


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

```
.border{ border-color:rgb(179, 105, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 105, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 105, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 105, 36);  
box-shadow:4px 4px 4px 4px rgb(179, 105,  
36) }
```

Background

The CSS property to change the background color of an element to XYZ 23.9604, 19.8142, 4.2307 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 105, 36) }
```

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

```
.background{ background-color: rgb(179,  
105, 36) }
```

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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