

Converting Colors

XYZ(23.0870, 19.9258, 41.0414)

Have a look what the booklet for
XYZ(23.0870, 19.9258, 41.0414)
contains.

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Color

**XYZ(23.1995, 20.0432,
41.1741)**

Conversions

Conversions Part 1

Format	Color
Hex	8672AB
RGB	134, 114, 171
RGB Percent	53%, 45%, 67%
CMY	0.4745, 0.5529, 0.3294
CMYK	0.22, 0.33, 0.00, 0.33
HSL	261°, 25%, 56%
HSV	261°, 33%, 67%
XYZ	23.1995, 20.0432, 41.1741
YIQ	126.4780, -6.3770, 21.9670

Conversions

Conversions Part 2

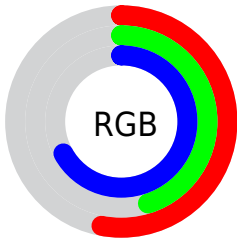
Format	Color
RYB	134, 114, 171
Decimal	8811179
CIELab	51.89, 19.86, -27.58
CIElCh	52, 33.991, 305.760
Yxy	20.0432, 0.2748, 0.2374
Android (android.graphics.Color)	4287001259 (0xFF8672AB)
YUV	126.4780, 21.9493, 6.5968
Hunter-Lab	44.7696, 14.1514, -23.1896

Details

The XYZ color **23.1995, 20.0432, 41.1741** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **30.3632, 36.9205, 21.4464**, and the grayscale version is **19.9236, 20.9612, 22.8267**.

A 20% lighter version of the original color is **48.2404, 43.5099, 78.5287**, and **8.7855, 7.0434, 18.0360** is the 20% darker color. If you saturate the color by 10%, you get **19.7708, 15.6754, 40.5121**, and if you desaturate by 10%, it is **27.1759, 25.2295, 41.9659**.

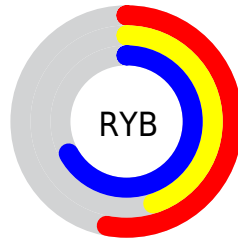
Distribution



Red (53%)

Green (45%)

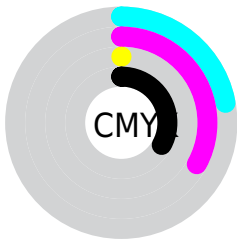
Blue (67%)



Red (53%)

Yellow (45%)

Blue (67%)

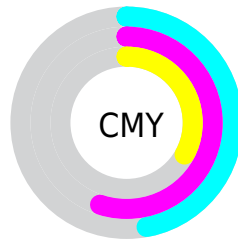


Cyan (22%)

Magenta (33%)

Yellow (0%)

Black (33%)



Cyan (47%)

Magenta (55%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.1995, 20.0432, 41.1741 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 23.1995, 20.0432, 41.1741 by changing the saturation by 10% instead.

■ 23.1995, 20.0432,
41.1741

■ 23.1995, 20.0432,
41.1741

261.2643,
252.1489, 366.7459

■ 14.8624, 12.4265,
28.1344

■ 48.1849, 43.4896,
78.2047

■ 8.8086, 7.0348,
18.1871

■ 65.5640, 60.0880,
103.0326

■ 4.6726, 3.4839,
10.9136

■ 86.6877, 80.4492,
132.6271

■ 2.0893, 1.3893,
5.8953

■ 111.9215,
104.9574, 167.4066

■ 0.6834, 0.2088,
2.7138

141.6307,
133.9971, 207.7897

■ 0.0000, 0.0000,
0.9503

176.1807,

■ 0.0000, 0.0000,

167.9526, 254.1949

0.0000

215.9367,
207.2084, 307.0408

■ 23.1995, 20.0432,
41.1741

■ 23.1995, 20.0432,
41.1741

■ 19.7708, 15.6754,
40.5121

■ 27.1759, 25.2295,
41.9659

■ 16.8619, 12.0805,
39.9715

■ 31.7219, 31.2719,
42.8926

■ 14.4453, 9.2120,
39.5452

■ 36.8608, 38.2084,
43.9606

■ 12.4901, 7.0171,
39.2246

■ 42.6139, 46.0741,
45.1757

■ 10.9612, 5.4358,
39.0000

■ 49.0012, 54.9022,
46.5430

■ 9.8175, 4.3965,
38.8596

■ 56.0420, 64.7241,
48.0677

■ 9.2142, 3.9010,
38.7958

■ 63.7548, 75.5699,
49.7547

■ 72.1571, 87.4684,
51.6085

■ 77.0105, 91.9362,
52.2150

Harmonies

Analogous

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



19.7245, 20.0432, 46.7335



23.1995, 20.0432, 41.1741



25.7679, 20.0432, 30.5976

Triad

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



23.1995, 20.0432, 41.1741



21.9082, 20.0432, 8.6723



13.1791, 20.0432, 23.7879

Complementary

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



23.1995, 20.0432, 41.1741



30.3632, 36.9205, 21.4464

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.



13.6154, 20.0432, 14.9112



23.1995, 20.0432, 41.1741



18.3919, 20.0432, 7.8458

Square

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



23.1995, 20.0432, 41.1741



24.9616, 20.0432, 12.4915



15.4282, 20.0432, 9.7451



14.1550, 20.0432, 34.9272

Rectangle

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



23.1995, 20.0432, 41.1741



26.4678, 20.0432, 23.2599



15.4282, 20.0432, 9.7451



13.1671, 20.0432, 20.4478

Sweetspot

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



23.2002, 20.0440, 41.1746



59.5993, 59.7496, 77.3935



25.3654, 28.6677, 42.7250



13.0191, 12.9589, 17.2028



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



23.2002, 20.0440, 41.1746



36.9281, 29.9899, 72.8442



28.3605, 22.7042, 41.4161



7.8341, 7.8888, 10.0625



6.9985, 2.9677, 29.2485



0.2550, 0.1136, 0.8165

Inverse Universe

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



28.3984, 22.9276, 32.2075



47.8533, 36.0601, 53.5631



25.7049, 34.5191, 21.2284



8.2159, 8.0996, 9.4478



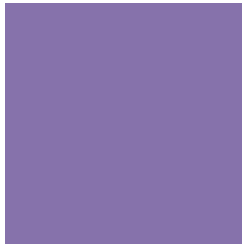
14.8493, 7.4023, 12.1176



0.4377, 0.2158, 0.4667

Previews

White Background



This preview shows how the XYZ color 23.1995, 20.0432, 41.1741 looks on a white background.

Color Contrast Check

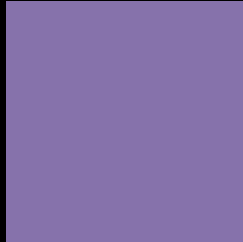
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.1995, 20.0432, 41.1741 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 23.1995, 20.0432, 41.1741

Background



This preview shows how black text looks on a background with the XYZ color 23.1995, 20.0432, 41.1741.



This preview shows how white text looks on a background with the XYZ color 23.1995, 20.0432,

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

23.1995, 20.0432, 41.1741

Protanopia

20.8392, 20.1576, 44.3874

Deuteranopia

20.5514, 20.0986, 40.3324



Tritanopia

19.8087, 20.0698, 24.3026

Trichromacy



Original Color

23.1995, 20.0432, 41.1741

Protanomaly

21.5371, 20.0018, 43.2830

Deuteranomaly

21.4603, 20.0179, 40.7630

Tritanomaly

20.9911, 20.0148, 29.9510

Monochromacy



Original Color

23.1995, 20.0432, 41.1741

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

20.8953, 20.5392, 28.4543

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1995, 20.0432, 41.1741 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(134, 114, 171)` looks like.

```
.text, #text, p{  
    color:rgb(134, 114, 171)  
}
```

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(134, 114, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 114, 171) }
```

Border

The CSS property to change the border of an element to XYZ 23.1995, 20.0432, 41.1741 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(134, 114, 171) }
```


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

```
.border{ border-color:rgb(134, 114, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 114, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 114, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 114, 171);  
box-shadow:4px 4px 4px 4px rgb(134, 114,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 23.1995, 20.0432, 41.1741 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 114, 171) }
```

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

```
.background{ background-color: rgb(134,  
114, 171) }
```

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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