

Converting Colors

XYZ(20.4245, 23.1121, 6.4022)

Have a look what the booklet for
XYZ(20.4245, 23.1121, 6.4022)
contains.

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Color

**XYZ(20.4285, 23.1201,
6.4035)**

Conversions

Conversions Part 1

Format	Color
Hex	8F8632
RGB	143, 134, 50
RGB Percent	56%, 53%, 20%
CMY	0.4392, 0.4745, 0.8039
CMYK	0.00, 0.06, 0.65, 0.44
HSL	54°, 48%, 38%
HSV	54°, 65%, 56%
XYZ	20.4285, 23.1201, 6.4035
YIQ	127.1150, 32.3280, -24.2160

Conversions

Conversions Part 2

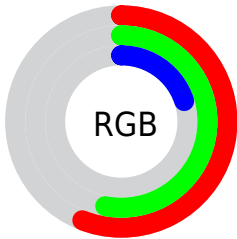
Format	Color
RYB	60, 143, 50
Decimal	9406002
CIELab	55.20, -7.37, 44.97
CIELCh	55, 45.575, 99.312
Yxy	23.1201, 0.4090, 0.4628
Android (android.graphics.Color)	4287596082 (0xFF8F8632)
YUV	127.1150, -38.0177, 13.9311
Hunter-Lab	48.0834, -8.3091, 25.7624

Details

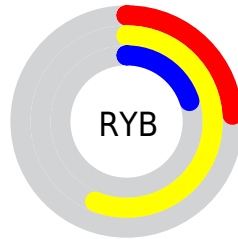
The XYZ color **20.4285, 23.1201, 6.4035** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **7.8373, 5.7890, 26.6908**, and the grayscale version is **20.3317, 21.3905, 23.2942**.

A 20% lighter version of the original color is **43.6238, 48.6029, 19.1387**, and **7.4649, 8.6707, 1.2802** is the 20% darker color. If you saturate the color by 10%, you get **19.9772, 22.6365, 4.9617**, and if you desaturate by 10%, it is **20.9798, 23.6494, 8.3547**.

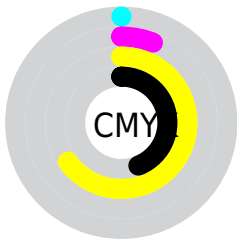
Distribution



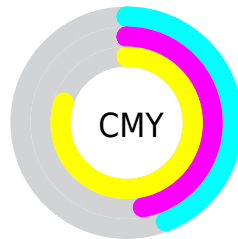
- Red (56%)
- Green (53%)
- Blue (20%)



- Red (24%)
- Yellow (56%)
- Blue (20%)



- Cyan (0%)
- Magenta (6%)
- Yellow (65%)
- Black (44%)



- Cyan (44%)
- Magenta (47%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.4285, 23.1201, 6.4035 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 20.4285, 23.1201, 6.4035 by changing the saturation by 10% instead.

■ 20.4285, 23.1201,
6.4035

■ 20.4285, 23.1201,
6.4035

247.0151,
268.3413, 172.0493

■ 12.8170, 14.6822,
3.0192

■ 43.6329, 48.5905,
19.2548

■ 7.3788, 8.5967,
1.1045

■ 59.9565, 66.3917,
29.5588

■ 3.7485, 4.4790,
0.0000

■ 79.9149, 88.0829,
43.0066

■ 1.5609, 1.9450,
0.0000

■ 103.8733,
114.0484, 60.0165

■ 0.3667, 0.5752,
0.0000

■ 132.1972,
144.6725, 81.0072

■ 0.0000, 0.0000,
0.0000

■ 165.2519,

180.3398, 106.3972

203.4027,
221.4346, 136.6051

■ 20.4285, 23.1201,
6.4035

■ 20.4285, 23.1201,
6.4035

■ 19.9772, 22.6365,
4.9617

■ 20.9798, 23.6494,
8.3547

■ 19.6150, 22.1917,
3.9788

■ 21.6375, 24.2245,
10.8568

■ 19.3298, 21.7816,
3.3894

■ 22.4096, 24.8493,
13.9485

■ 19.1999, 21.5842,
3.1542

■ 23.3027, 25.5265,
17.6647

■ 24.3228, 26.2587,
22.0375

■ 25.4757, 27.0480,
27.0969

■ 26.7667, 27.8966,
32.8711

■ 28.2009, 28.8067,
39.3865

■ 29.7831, 29.7800,
46.6683

Harmonies

Analogous

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



25.6185, 23.1201, 6.9986



20.4285, 23.1201, 6.4035



16.3375, 23.1201, 9.1146

Triad

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



20.4285, 23.1201, 6.4035



15.2369, 23.1201, 47.4445



32.4658, 23.1201, 36.4359

Complementary

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



20.4285, 23.1201, 6.4035



7.8373, 5.7890, 26.6908

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.



28.7797, 23.1201, 53.6973



20.4285, 23.1201, 6.4035



18.6944, 23.1201, 61.5719

Square

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



20.4285, 23.1201, 6.4035



13.6601, 23.1201, 29.9890



23.5976, 23.1201, 64.2204



33.1218, 23.1201, 20.9039

Rectangle

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



20.4285, 23.1201, 6.4035



14.5849, 23.1201, 13.4038



23.5976, 23.1201, 64.2204



31.5156, 23.1201, 42.3673

Sweetspot

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



20.4290, 23.1212, 6.4040



42.5451, 46.3064, 35.0959



13.2656, 8.4399, 5.1087



9.6532, 10.5443, 7.6072



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



20.4290, 23.1212, 6.4040



35.4581, 40.1626, 7.9768



16.3184, 22.9271, 6.5832



5.7956, 6.1975, 5.7801



16.9848, 19.1013, 2.7917



0.1708, 0.1994, 0.0295

Inverse Universe

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



7.8373, 5.7890, 26.6908



11.1576, 6.7542, 47.2536



10.0479, 6.3005, 26.6730



5.1690, 5.3337, 6.7858



4.5286, 2.0432, 23.1328



0.0499, 0.0328, 0.2234

Previews

White Background



This preview shows how the XYZ color 20.4285, 23.1201, 6.4035 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 20.4285, 23.1201, 6.4035 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 20.4285, 23.1201, 6.4035

Background



This preview shows how black text looks on a background with the XYZ color 20.4285, 23.1201, 6.4035.



This preview shows how white text looks on a background with the XYZ color 20.4285, 23.1201,

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

20.4285, 23.1201, 6.4035

Protanopia

21.0397, 23.0287, 6.3537

Deuteranopia

23.4133, 23.0713, 6.5873



Tritanopia

24.2845, 22.9005, 26.0620

Trichromacy



Original Color

20.4285, 23.1201, 6.4035

Protanomaly

20.8173, 23.1163, 6.3823

Deuteranomaly

22.1804, 23.0164, 6.5224

Tritanomaly

22.2505, 22.6409, 16.2941

Monochromacy



Original Color

20.4285, 23.1201, 6.4035

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

19.9076, 21.8527, 14.9731

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4285, 23.1201, 6.4035 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(143, 134, 50)` looks like.

```
.text, #text, p{  
    color:rgb(143, 134, 50)  
}
```

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(143, 134, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 134, 50) }
```

Border

The CSS property to change the border of an element to XYZ 20.4285, 23.1201, 6.4035 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(143, 134, 50) }
```


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

```
.border{ border-color:rgb(143, 134, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 134, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 134, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 134, 50);  
box-shadow:4px 4px 4px 4px rgb(143, 134,  
50) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4285, 23.1201, 6.4035 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 134, 50) }
```

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

```
.background{ background-color: rgb(143,  
134, 50) }
```

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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