

Converting Colors

XYZ(20.4440, 30.1061, 23.5530)

Have a look what the booklet for
XYZ(20.4440, 30.1061, 23.5530)
contains.

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Color

**XYZ(20.4236, 30.0897,
23.4703)**

Conversions

Conversions Part 1

Format	Color
Hex	51A57B
RGB	81, 165, 123
RGB Percent	32%, 65%, 48%
CMY	0.6823, 0.3529, 0.5176
CMYK	0.51, 0.00, 0.25, 0.35
HSL	150°, 34%, 48%
HSV	150°, 51%, 65%
XYZ	20.4236, 30.0897, 23.4703
YIQ	135.0960, -36.5820, -30.8700

Conversions

Conversions Part 2

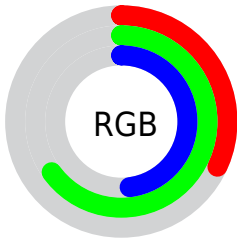
Format	Color
RYB	81, 137, 165
Decimal	5350779
CIELab	61.73, -35.57, 14.10
CIELCh	62, 38.263, 158.373
Yxy	30.0897, 0.2761, 0.4067
Android (android.graphics.Color)	4283540859 (0xFF51A57B)
YUV	135.0960, -5.9633, -47.4422
Hunter-Lab	54.8541, -29.5344, 13.0296

Details

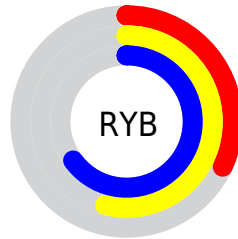
The XYZ color **20.4236, 30.0897, 23.4703** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **22.0356, 15.3149, 20.5346**, and the grayscale version is **23.0965, 24.2994, 26.4620**.

A 20% lighter version of the original color is **43.8463, 60.0817, 50.3603**, and **7.3187, 12.2315, 8.4537** is the 20% darker color. If you saturate the color by 10%, you get **18.6830, 29.2504, 20.8058**, and if you desaturate by 10%, it is **22.5529, 31.1260, 26.3815**.

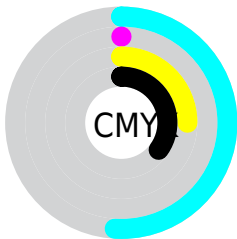
Distribution



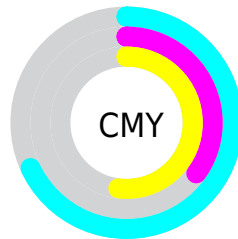
- Red (32%)
- Green (65%)
- Blue (48%)



- Red (32%)
- Yellow (54%)
- Blue (65%)



- Cyan (51%)
- Magenta (0%)
- Yellow (25%)
- Black (35%)



- Cyan (68%)
- Magenta (35%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.4236, 30.0897, 23.4703 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 20.4236, 30.0897, 23.4703 by changing the saturation by 10% instead.

■ 20.4236, 30.0897,
23.4703

■ 20.4236, 30.0897,
23.4703

246.9893,
302.3223, 283.3312

■ 12.8134, 19.9067,
14.7326

■ 43.6248, 59.8040,
50.0974

■ 7.3763, 12.3272,
8.4874

■ 59.9465, 80.1041,
68.8238

■ 3.7469, 6.9669,
4.3162

■ 79.9027, 104.5453,
91.7169

■ 1.5600, 3.4414,
1.8003

■ 103.8588,
133.5121, 119.1952

■ 0.3661, 1.3663,
0.4282

■ 132.1802,
167.3887, 151.6772

■ 0.0000, 0.1917,
0.0000

165.2321,

■ 0.0000, 0.0000,

206.5598, 189.5816

0.0000

203.3800,
251.4095, 233.3267

■ 20.4236, 30.0897,
23.4703

■ 20.4236, 30.0897,
23.4703

■ 18.6830, 29.2504,
20.8058

■ 22.5529, 31.1260,
26.3815

■ 17.3023, 28.5909,
18.3792

■ 25.0924, 32.3678,
29.5440

■ 16.2524, 28.0972,
16.1840

■ 28.0646, 33.8274,
32.9645

■ 15.4982, 27.7512,
14.2125

■ 31.4898, 35.5151,
36.6491

■ 14.9978, 27.5283,
12.6058

■ 35.3869, 37.4407,
40.6036

■ 39.7737, 39.6131,
44.8335

■ 44.6671, 42.0409,
49.3442

■ 50.0832, 44.7325,
54.1410

■ 56.0372, 47.6954,
59.2290

Harmonies

Analogous

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



22.9378, 30.0897, 15.3196



20.4236, 30.0897, 23.4703



19.9595, 30.0897, 37.0211

Triad

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



20.4236, 30.0897, 23.4703



30.0500, 30.0897, 69.1051



36.9893, 30.0897, 18.2476

Complementary

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



20.4236, 30.0897, 23.4703



22.0356, 15.3149, 20.5346

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.



39.4297, 30.0897, 28.8438



20.4236, 30.0897, 23.4703



35.1233, 30.0897, 60.0540

Square

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



20.4236, 30.0897, 23.4703



25.1380, 30.0897, 66.3846



38.7091, 30.0897, 44.2314



32.3647, 30.0897, 12.9874

Rectangle

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



20.4236, 30.0897, 23.4703



20.8154, 30.0897, 47.9888



38.7091, 30.0897, 44.2314



38.1159, 30.0897, 21.1548

Sweetspot

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



20.4244, 30.0909, 23.4710



53.6137, 62.2315, 62.6937



23.3114, 31.8207, 12.6982



11.4550, 13.4740, 13.4192



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



20.4244, 30.0909, 23.4710



33.1264, 52.2237, 36.7126



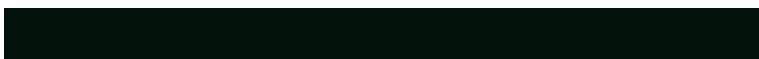
23.5142, 31.3268, 39.7417



7.1263, 7.9513, 8.2770



11.3708, 20.8346, 9.6689



0.2628, 0.4473, 0.3288

Inverse Universe

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



22.0356, 15.3149, 20.5346



36.3390, 22.7612, 30.8576



19.9986, 14.5001, 9.8077



7.2145, 7.1423, 8.1162



12.9307, 6.5283, 6.8258



0.2956, 0.1467, 0.2690

Previews

White Background



This preview shows how the XYZ color 20.4236, 30.0897, 23.4703 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 20.4236, 30.0897, 23.4703 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 ✓ Pass

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

XYZ 20.4236, 30.0897, 23.4703

Background



This preview shows how black text looks on a background with the XYZ color 20.4236, 30.0897, 23.4703.



This preview shows how white text looks on a background with the XYZ color 20.4236, 30.0897,

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

20.4236, 30.0897, 23.4703

Protanopia

27.7850, 29.6867, 20.4853

Deuteranopia

30.2963, 29.7495, 24.5675



Tritanopia

24.3649, 30.1162, 43.0569

Trichromacy



Original Color

20.4236, 30.0897, 23.4703

Protanomaly

24.0315, 29.1650, 21.5024

Deuteranomaly

25.3137, 29.0428, 24.0103

Tritanomaly

22.6974, 29.9467, 35.1559

Monochromacy



Original Color

20.4236, 30.0897, 23.4703

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

21.4458, 25.8413, 25.3303

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4236, 30.0897, 23.4703 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(81, 165, 123)` looks like.

```
.text, #text, p{  
    color:rgb(81, 165, 123)  
}
```

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(81, 165, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 165, 123) }
```

Border

The CSS property to change the border of an element to XYZ 20.4236, 30.0897, 23.4703 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(81, 165, 123) }
```


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

```
.border{ border-color:rgb(81, 165, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 165, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 165, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 165, 123);  
box-shadow:4px 4px 4px 4px rgb(81, 165,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4236, 30.0897, 23.4703 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 165, 123) }
```

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

```
.background{ background-color: rgb(81, 165,  
123) }
```

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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