

Converting Colors

XYZ(21.0375, 29.1898, 23.1660)

Have a look what the booklet for
XYZ(21.0375, 29.1898, 23.1660)
contains.

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Color

**XYZ(20.9698, 29.0585,
23.2425)**

Conversions

Conversions Part 1

Format	Color
Hex	60A07B
RGB	96, 160, 123
RGB Percent	38%, 63%, 48%
CMY	0.6235, 0.3725, 0.5176
CMYK	0.40, 0.00, 0.23, 0.37
HSL	145°, 25%, 50%
HSV	145°, 40%, 63%
XYZ	20.9698, 29.0585, 23.2425
YIQ	136.6460, -26.2670, -25.0750

Conversions

Conversions Part 2

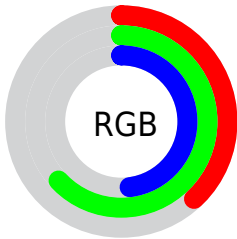
Format	Color
R_{YB}	96, 141, 160
Decimal	6332539
CIE _{Lab}	60.83, -29.05, 12.94
CIE _{LCh}	61, 31.804, 155.986
Yxy	29.0585, 0.2862, 0.3966
Android (android.graphics.Color)	4284522619 (0xFF60A07B)
YUV	136.6460, -6.7275, -35.6465
Hunter-Lab	53.9059, -24.8976, 12.1702

Details

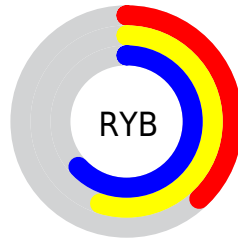
The XYZ color **20.9698, 29.0585, 23.2425** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **22.9147, 17.5334, 24.3679**, and the grayscale version is **23.6765, 24.9096, 27.1265**.

A 20% lighter version of the original color is **44.5313, 58.1250, 49.9465**, and **7.6373, 11.7550, 8.3450** is the 20% darker color. If you saturate the color by 10%, you get **18.9028, 28.0575, 20.2647**, and if you desaturate by 10%, it is **23.4357, 30.2604, 26.5259**.

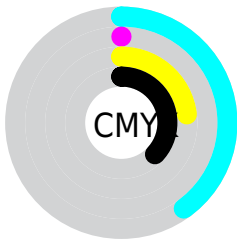
Distribution



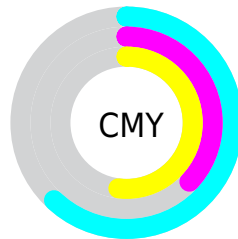
- Red (38%)
- Green (63%)
- Blue (48%)



- Red (38%)
- Yellow (55%)
- Blue (63%)



- Cyan (40%)
- Magenta (0%)
- Yellow (23%)
- Black (37%)



- Cyan (62%)
- Magenta (37%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.9698, 29.0585, 23.2425 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 20.9698, 29.0585, 23.2425 by changing the saturation by 10% instead.

■ 20.9698, 29.0585,
23.2425

■ 20.9698, 29.0585,
23.2425

249.8527,
297.4909, 282.1303

■ 13.2143, 19.1251,
14.5657

■ 44.5289, 58.1700,
49.7194

■ 7.6543, 11.7607,
8.3719

■ 61.0632, 78.1169,
68.3566

■ 3.9245, 6.5809,
4.2427

■ 81.2545, 102.1704,
91.1511

■ 1.6595, 3.2014,
1.7594

■ 105.4681,
130.7149, 118.5212

■ 0.4307, 1.2378,
0.4010

134.0693,
164.1348, 150.8857

■ 0.0000, 0.0922,
0.0000

167.4236,

■ 0.0000, 0.0000,

202.8145, 188.6630

0.0000

205.8963,
247.1384, 232.2717

■ 20.9698, 29.0585,
23.2425

■ 20.9698, 29.0585,
23.2425

■ 18.9028, 28.0575,
20.2647

■ 23.4357, 30.2604,
26.5259

■ 17.2100, 27.2424,
17.5817

■ 26.3189, 31.6701,
30.1214

■ 15.8673, 26.6019,
15.1846


■ 29.6391, 33.2985,
34.0379


■ 14.8467, 26.1217,
13.0636

■ 33.4144, 35.1547,
38.2833


■ 14.1158, 25.7852,
11.2080


■ 37.6617, 37.2472,
42.8652

 13.5996, 25.5540,
9.6048

 42.3969, 39.5842,
47.7909

 47.6353, 42.1733,
53.0675

 53.3914, 45.0220,
58.7018

 59.6794, 48.1373,
64.7006

Harmonies

Analogous

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



23.2026, 29.0585, 16.5505



20.9698, 29.0585, 23.2425



20.4373, 29.0585, 34.0764

Triad

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



20.9698, 29.0585, 23.2425



28.4574, 29.0585, 60.1463



34.5710, 29.0585, 20.0496

Complementary

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



20.9698, 29.0585, 23.2425



22.9147, 17.5334, 24.3679

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.



36.3128, 29.0585, 29.3221



20.9698, 29.0585, 23.2425



32.5636, 29.0585, 53.8933

Square

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



20.9698, 29.0585, 23.2425



24.5060, 29.0585, 57.3546



35.5438, 29.0585, 41.8492



30.9856, 29.0585, 15.0550

Rectangle

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



20.9698, 29.0585, 23.2425



21.0663, 29.0585, 42.7119



35.5438, 29.0585, 41.8492



35.4070, 29.0585, 22.6683

Sweetspot

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



20.9706, 29.0597, 23.2432



52.3985, 59.7631, 60.1628



24.4087, 31.0012, 15.7639



11.3292, 13.0272, 13.0049



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



20.9706, 29.0597, 23.2432



34.6907, 51.1210, 37.3486



23.2840, 29.9851, 35.4256



6.6610, 7.4452, 7.6496



10.6145, 19.9137, 7.5930



0.2105, 0.3643, 0.2446

Inverse Universe

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



22.9147, 17.5334, 24.3679



38.7156, 27.2312, 39.6577



21.0462, 16.7860, 14.5288



6.7857, 6.7072, 7.7226



12.8374, 6.4395, 8.6607



0.2504, 0.1235, 0.2646

Previews

White Background



This preview shows how the XYZ color 20.9698, 29.0585, 23.2425 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 20.9698, 29.0585, 23.2425 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 20.9698, 29.0585, 23.2425

Background



This preview shows how black text looks on a background with the XYZ color 20.9698, 29.0585, 23.2425.



This preview shows how white text looks on a background with the XYZ color 20.9698, 29.0585,

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

20.9698, 29.0585, 23.2425

Protanopia

26.9488, 28.7873, 20.6591

Deuteranopia

29.2920, 28.7975, 24.0933



Tritanopia

24.4745, 28.9654, 40.8602

Trichromacy



Original Color

20.9698, 29.0585, 23.2425

Protanomaly

24.2279, 28.5335, 21.6833

Deuteranomaly

25.3403, 28.3489, 23.8750

Tritanomaly

22.9539, 28.8361, 33.6343

Monochromacy



Original Color

20.9698, 29.0585, 23.2425

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

22.3163, 26.0543, 25.6826

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9698, 29.0585, 23.2425 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(96, 160, 123)` looks like.

```
.text, #text, p{  
    color:rgb(96, 160, 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(96, 160, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 160, 123) }
```

Border

The CSS property to change the border of an element to XYZ 20.9698, 29.0585, 23.2425 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(96, 160, 123) }
```


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

```
.border{ border-color:rgb(96, 160, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 160, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 160, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 160, 123);  
box-shadow:4px 4px 4px 4px rgb(96, 160,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 20.9698, 29.0585, 23.2425 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 160, 123) }
```

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

```
.background{ background-color: rgb(96, 160,  
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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