

Converting Colors

XYZ(20.6230, 34.7876, 22.5885)

Have a look what the booklet for
XYZ(20.6230, 34.7876, 22.5885)
contains.

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Color

**XYZ(20.6098, 34.7832,
22.4572)**

Conversions

Conversions Part 1

Format	Color
Hex	28B575
RGB	40, 181, 117
RGB Percent	16%, 71%, 46%
CMY	0.8431, 0.2902, 0.5412
CMYK	0.78, 0.00, 0.35, 0.29
HSL	153°, 64%, 43%
HSV	153°, 78%, 71%
XYZ	20.6098, 34.7832, 22.4572
YIQ	131.5450, -63.4920, -49.7960

Conversions

Conversions Part 2

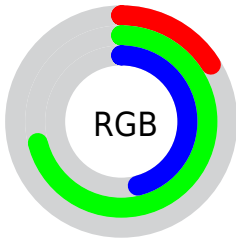
Format	Color
RYB	40, 131, 181
Decimal	2667893
CIELab	65.58, -51.25, 22.49
CIElCh	66, 55.965, 156.308
Yxy	34.7832, 0.2647, 0.4468
Android (android.graphics.Color)	4280857973 (0xFF28B575)
YUV	131.5450, -7.1707, -80.2850
Hunter-Lab	58.9773, -40.8329, 18.7078

Details

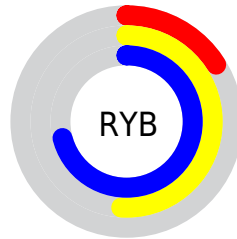
The XYZ color **20.6098, 34.7832, 22.4572** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **22.3146, 12.3415, 14.3040**, and the grayscale version is **21.8106, 22.9464, 24.9887**.

A 20% lighter version of the original color is **43.9203, 67.2018, 48.1925**, and **8.6328, 15.5961, 8.0242** is the 20% darker color. If you saturate the color by 10%, you get **19.6021, 34.3180, 19.9986**, and if you desaturate by 10%, it is **21.9911, 35.4379, 25.1562**.

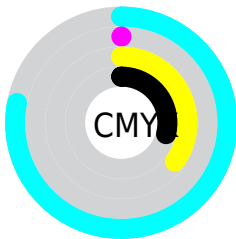
Distribution



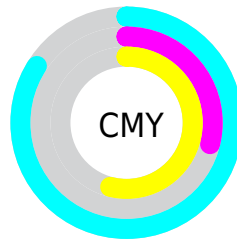
- Red (16%)
- Green (71%)
- Blue (46%)



- Red (16%)
- Yellow (51%)
- Blue (71%)



- Cyan (78%)
- Magenta (0%)
- Yellow (35%)
- Black (29%)





- Cyan (84%)
- Magenta (29%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.6098, 34.7832, 22.4572 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 20.6098, 34.7832, 22.4572 by changing the saturation by 10% instead.


 20.6098, 34.7832,
22.4572


 20.6098, 34.7832,
22.4572


247.9686,
323.6104, 277.9557


 12.9499, 23.4959,
13.9917


 43.9334, 67.1498,
48.4123


 7.4708, 14.9601,
7.9762


 60.3278, 88.9979,
66.7391


 3.8072, 8.7914,
3.9922


 80.3645, 115.1350,
89.1899

 1.5936, 4.6054,
1.6211

 104.4087,
145.9456, 116.1835

 0.3883, 2.0176,
0.3058

 132.8259,
181.8140, 148.1384

 0.0000, 0.6177,
0.0000

165.9814,

 0.0000, 0.0000,

223.1247, 185.4730

0.0000

204.2405,
270.2620, 228.6059

■ 20.6098, 34.7832,
22.4572

■ 20.6098, 34.7832,
22.4572

■ 19.6021, 34.3180,
19.9986

■ 21.9911, 35.4379,
25.1562

■ 18.9001, 34.0047,
17.7692

■ 23.7849, 36.2993,
28.1006

■ 18.7692, 33.9469,
17.3285

■ 26.0281, 37.3873,
31.2981

■ 28.7524, 38.7180,
34.7554

■ 31.9867, 40.3063,
38.4786

■ 35.7573, 42.1656,
42.4738

■ 40.0889, 44.3085,
46.7468

■ 45.0044, 46.7468,
51.3032

■ 50.5255, 49.4915,
56.1484

Harmonies

Analogous

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



24.5666, 34.7832, 11.8750



20.6098, 34.7832, 22.4572



19.7218, 34.7832, 43.0607

Triad

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



20.6098, 34.7832, 22.4572



34.8254, 34.7832, 102.9206



47.4821, 34.7832, 16.9156

Complementary

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



20.6098, 34.7832, 22.4572



22.3146, 12.3415, 14.3040

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.



51.3630, 34.7832, 33.1196



20.6098, 34.7832, 22.4572



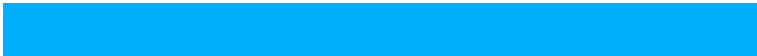
43.3159, 34.7832, 87.2330

Square

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



20.6098, 34.7832, 22.4572



27.1146, 34.7832, 96.1864



49.7244, 34.7832, 59.0973



39.8174, 34.7832, 9.7268

Rectangle

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



20.6098, 34.7832, 22.4572



20.8329, 34.7832, 61.6502



49.7244, 34.7832, 59.0973



49.3256, 34.7832, 21.1624

Sweetspot

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



20.6107, 34.7846, 22.4580



60.2125, 73.6269, 72.0812



22.8281, 36.2544, 7.8024



12.5112, 15.6656, 15.0368



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.



20.6107, 34.7846, 22.4580



34.2281, 61.0671, 33.1146



24.8008, 34.9572, 49.1580



8.5766, 9.5651, 10.0300



12.9740, 23.4156, 12.1316



0.4372, 0.7483, 0.5342

Inverse Universe

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



22.3146, 12.3415, 14.3040



37.4414, 19.2257, 18.0949



20.3670, 11.8316, 3.2181



8.6514, 8.5673, 9.6626



14.2250, 7.2076, 6.3449



0.4771, 0.2386, 0.3552

Previews

White Background



This preview shows how the XYZ color 20.6098, 34.7832, 22.4572 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 20.6098, 34.7832, 22.4572 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 20.6098, 34.7832, 22.4572

Background



This preview shows how black text looks on a background with the XYZ color 20.6098, 34.7832, 22.4572.



This preview shows how white text looks on a background with the XYZ color 20.6098, 34.7832,

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

20.6098, 34.7832, 22.4572

Protanopia

31.6753, 34.1732, 18.8365

Deuteranopia

34.8739, 34.2260, 23.8370



Tritanopia

26.3631, 34.4667, 51.7176

Trichromacy



Original Color

20.6098, 34.7832, 22.4572



Protanomaly

24.6738, 32.6311, 20.0369



Deuteranomaly

26.0641, 32.4804, 22.9848



Tritanomaly

23.6875, 34.2253, 39.0759

Monochromacy



Original Color

20.6098, 34.7832, 22.4572



Achromatopsia

21.9318, 23.0740, 25.1276



Achromatomaly

19.8827, 25.9976, 24.0488

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.6098, 34.7832, 22.4572 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(40, 181, 117)` looks like.

```
.text, #text, p{  
    color:rgb(40, 181, 117)  
}
```

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(40, 181, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 181, 117) }
```

Border

The CSS property to change the border of an element to XYZ 20.6098, 34.7832, 22.4572 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(40, 181, 117) }
```


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

```
.border{ border-color:rgb(40, 181, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 181, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 181, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 181, 117);  
box-shadow:4px 4px 4px 4px rgb(40, 181,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 20.6098, 34.7832, 22.4572 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 181, 117) }
```

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

```
.background{ background-color: rgb(40, 181,  
117) }
```

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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