

Converting Colors

XYZ(20.6652, 30.4578, 21.6594)

Have a look what the booklet for
XYZ(20.6652, 30.4578, 21.6594)
contains.

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Color

**XYZ(20.6849, 30.5352,
21.6333)**

Conversions

Conversions Part 1

Format	Color
Hex	56A675
RGB	86, 166, 117
RGB Percent	34%, 65%, 46%
CMY	0.6627, 0.3490, 0.5412
CMYK	0.48, 0.00, 0.30, 0.35
HSL	143°, 32%, 49%
HSV	143°, 48%, 65%
XYZ	20.6849, 30.5352, 21.6333
YIQ	136.4940, -31.9510, -32.1990

Conversions

Conversions Part 2

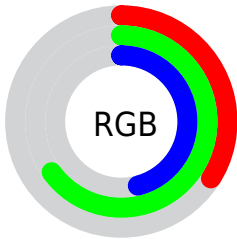
Format	Color
RYB	86, 144, 166
Decimal	5678709
CIELab	62.11, -35.94, 17.97
CIElCh	62, 40.187, 153.431
Yxy	30.5352, 0.2839, 0.4191
Android (android.graphics.Color)	4283868789 (0xFF56A675)
YUV	136.4940, -9.6105, -44.2832
Hunter-Lab	55.2587, -29.8850, 15.4695

Details

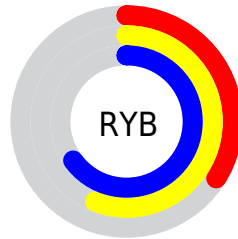
The XYZ color **20.6849, 30.5352, 21.6333** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **23.4279, 16.5126, 24.8755**, and the grayscale version is **23.6314, 24.8621, 27.0748**.

A 20% lighter version of the original color is **44.0979, 60.6826, 46.9248**, and **7.4552, 12.4888, 7.4865** is the 20% darker color. If you saturate the color by 10%, you get **18.7647, 29.6115, 18.5907**, and if you desaturate by 10%, it is **23.0266, 31.6704, 25.0360**.

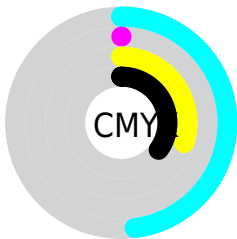
Distribution



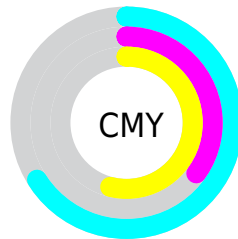
- Red (34%)
- Green (65%)
- Blue (46%)



- Red (34%)
- Yellow (56%)
- Blue (65%)



- Cyan (48%)
- Magenta (0%)
- Yellow (30%)
- Black (35%)



- Cyan (66%)
- Magenta (35%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.6849, 30.5352, 21.6333 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 20.6849, 30.5352, 21.6333 by changing the saturation by 10% instead.

■ 20.6849, 30.5352,
21.6333

■ 20.6849, 30.5352,
21.6333

248.3627,
304.3912, 273.5160

■ 13.0050, 20.2452,
13.3920

■ 44.0578, 60.5075,
47.0336

■ 7.5090, 12.5734,
7.5651

■ 60.4815, 80.9586,
65.0296

■ 3.8316, 7.1354,
3.7342

■ 80.5505, 105.5656,
87.1142

■ 1.6073, 3.5470,
1.4807

■ 104.6301,
134.7127, 113.7061

■ 0.3972, 1.4235,
0.2035

133.0859,
168.7844, 145.2236

■ 0.0000, 0.2340,
0.0000

166.2829,

■ 0.0000, 0.0000,

208.1652, 182.0854

0.0000

204.5868,
253.2393, 224.7100

■ 20.6849, 30.5352,
21.6333

■ 20.6849, 30.5352,
21.6333

■ 18.7647, 29.6115,
18.5907

■ 23.0266, 31.6704,
25.0360

■ 17.2367, 28.8819,
15.8940

■ 25.8120, 33.0257,
28.8082

■ 16.0712, 28.3322,
13.5313


■ 29.0644, 34.6138,
32.9614


■ 15.2332, 27.9445,
11.4888

■ 32.8048, 36.4453,
37.5061


■ 14.6625, 27.6881,
9.7509


■ 37.0528, 38.5302,
42.4524

 14.5714, 27.6474,
9.4675

 41.8272, 40.8778,
47.8098

 47.1454, 43.4971,
53.5879

 53.0243, 46.3965,
59.7955

 59.4799, 49.5840,
66.4414

Harmonies

Analogous

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



23.6655, 30.5352, 14.0812



20.6849, 30.5352, 21.6333



19.8360, 30.5352, 35.0610

Triad

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



20.6849, 30.5352, 21.6333



29.6492, 30.5352, 72.6848



38.5882, 30.5352, 19.3982

Complementary

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



20.6849, 30.5352, 21.6333



23.4279, 16.5126, 24.8755

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.



40.6815, 30.5352, 31.4979



20.6849, 30.5352, 21.6333



35.1330, 30.5352, 64.7848

Square

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



20.6849, 30.5352, 21.6333



24.6184, 30.5352, 67.6037



39.3452, 30.5352, 48.4153



33.9235, 30.5352, 13.1003

Rectangle

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



20.6849, 30.5352, 21.6333



20.4936, 30.5352, 46.5426



39.3452, 30.5352, 48.4153



39.6405, 30.5352, 22.7613

Sweetspot

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



20.6857, 30.5365, 21.6340



55.3086, 64.0716, 62.9769



25.3624, 33.1243, 13.8615



12.0692, 14.1873, 13.7152



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



20.6857, 30.5365, 21.6340



33.7814, 53.6089, 33.2807



23.5323, 31.6751, 36.6242



7.5526, 8.4541, 8.6301



11.3205, 21.4470, 7.4545



0.3006, 0.5319, 0.3138

Inverse Universe

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



23.4279, 16.5126, 24.8755



39.3564, 25.0301, 39.8208



21.1353, 15.5956, 12.8030



7.7169, 7.6166, 8.8263



14.0654, 7.0349, 10.4217



0.3661, 0.1807, 0.3795

Previews

White Background



This preview shows how the XYZ color 20.6849, 30.5352, 21.6333 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 20.6849, 30.5352, 21.6333 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 20.6849, 30.5352, 21.6333

Background



This preview shows how black text looks on a background with the XYZ color 20.6849, 30.5352, 21.6333.



This preview shows how white text looks on a background with the XYZ color 20.6849, 30.5352,

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

20.6849, 30.5352, 21.6333

Protanopia

28.0050, 30.0726, 18.7966

Deuteranopia

30.5689, 29.9343, 22.5791



Tritanopia

25.1001, 30.4842, 43.5908

Trichromacy



Original Color

20.6849, 30.5352, 21.6333

Protanomaly

24.3188, 29.5991, 19.7607

Deuteranomaly

25.4413, 29.1520, 22.0553

Tritanomaly

23.3071, 30.5406, 34.3723

Monochromacy



Original Color

20.6849, 30.5352, 21.6333

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

21.8674, 26.3040, 24.6935

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.6849, 30.5352, 21.6333 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(86, 166, 117)` looks like.

```
.text, #text, p{  
    color:rgb(86, 166, 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(86, 166, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 166, 117) }
```

Border

The CSS property to change the border of an element to XYZ 20.6849, 30.5352, 21.6333 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(86, 166, 117) }
```


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

```
.border{ border-color:rgb(86, 166, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 166, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 166, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 166, 117);  
box-shadow:4px 4px 4px 4px rgb(86, 166,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 20.6849, 30.5352, 21.6333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 166, 117) }
```

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

```
.background{ background-color: rgb(86, 166,  
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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