

Converting Colors

XYZ(20.9488, 30.8863, 13.0533)

Have a look what the booklet for
XYZ(20.9488, 30.8863, 13.0533)
contains.

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Color

**XYZ(20.9065, 30.8400,
13.0344)**

Conversions

Conversions Part 1

Format	Color
Hex	68A653
RGB	104, 166, 83
RGB Percent	41%, 65%, 33%
CMY	0.5922, 0.3490, 0.6745
CMYK	0.37, 0.00, 0.50, 0.35
HSL	105°, 33%, 49%
HSV	105°, 50%, 65%
XYZ	20.9065, 30.8400, 13.0344
YIQ	138.0000, -10.3090, -38.9570

Conversions

Conversions Part 2

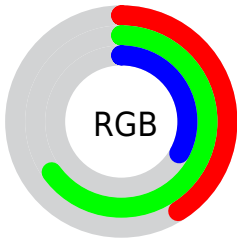
Format	Color
RYB	83, 166, 145
Decimal	6858323
CIELab	62.37, -35.99, 36.56
CIELCh	62, 51.299, 134.553
Yxy	30.8400, 0.3227, 0.4761
Android (android.graphics.Color)	4285048403 (0xFF68A653)
YUV	138.0000, -27.1150, -29.8180
Hunter-Lab	55.5338, -29.9852, 24.9576

Details

The XYZ color **20.9065, 30.8400, 13.0344** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **21.6545, 14.9603, 37.8243**, and the grayscale version is **24.2612, 25.5247, 27.7964**.

A 20% lighter version of the original color is **44.5249, 61.2329, 32.0267**, and **7.5591, 12.6296, 3.5527** is the 20% darker color. If you saturate the color by 10%, you get **19.0059, 29.9265, 9.9913**, and if you desaturate by 10%, it is **23.1738, 31.9266, 16.8970**.

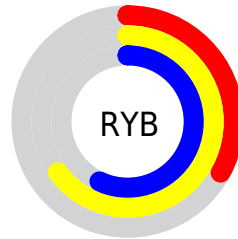
Distribution



Red (41%)

Green (65%)

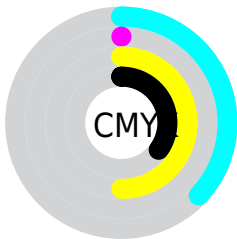
Blue (33%)



Red (33%)

Yellow (65%)

Blue (57%)

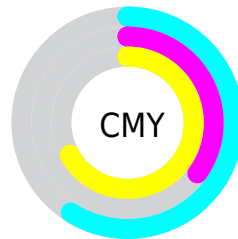


Cyan (37%)

Magenta (0%)

Yellow (50%)

Black (35%)



Cyan (59%)

Magenta (35%)

Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.9065, 30.8400, 13.0344 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 20.9065, 30.8400, 13.0344 by changing the saturation by 10% instead.

■ 20.9065, 30.8400,
13.0344

■ 20.9065, 30.8400,
13.0344

249.5223,
305.8005, 222.3536

■ 13.1677, 20.4770,
7.3212

■ 44.4243, 60.9881,
32.0577

■ 7.6220, 12.7423,
3.5823

■ 60.9341, 81.5420,
46.2048

■ 3.9038, 7.2513,
1.3991

■ 81.0983, 106.2617,
64.0004

■ 1.6478, 3.6198,
0.1410

■ 105.2822,
135.5315, 85.8630

■ 0.4233, 1.4632,
0.0000

■ 133.8512,
169.7359, 112.2110

■ 0.0000, 0.2626,
0.0000

167.1706,

■ 0.0000, 0.0000,

209.2593, 143.4631

0.0000

205.6059,
254.4861, 180.0378

■ 20.9065, 30.8400,
13.0344

■ 20.9065, 30.8400,
13.0344

■ 19.0059, 29.9265,
9.9913

■ 23.1738, 31.9266,
16.8970

■ 17.4494, 29.1731,
7.7065

■ 25.8242, 33.1910,
21.6303

■ 16.2152, 28.5708,
6.1137


■ 28.8758, 34.6422,
27.2837


■ 15.2777, 28.1082,
5.1343


■ 32.3449, 36.2876,
33.9024


■ 14.5916, 27.7658,
4.5903


■ 36.2467, 38.1343,
41.5285

 14.5916, 27.7658,
4.5903

 40.5959, 40.1889,
50.2016

 45.4062, 42.4577,
59.9594

 50.6908, 44.9468,
70.8374

 56.4625, 47.6619,
82.8697

Harmonies

Analogous

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



26.0834, 30.8400, 8.4984



20.9065, 30.8400, 13.0344



18.2331, 30.8400, 24.3885

Triad

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



20.9065, 30.8400, 13.0344



25.8976, 30.8400, 85.5771



44.2308, 30.8400, 24.8572

Complementary

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



20.9065, 30.8400, 13.0344



21.6545, 14.9603, 37.8243

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.



44.1599, 30.8400, 44.8306



20.9065, 30.8400, 13.0344



32.7977, 30.8400, 85.8656

Square

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



20.9065, 30.8400, 13.0344



20.7891, 30.8400, 68.1915



39.7147, 30.8400, 68.8704



39.8954, 30.8400, 13.2602

Rectangle

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



20.9065, 30.8400, 13.0344



17.9142, 30.8400, 36.7078



39.7147, 30.8400, 68.8704



44.7410, 30.8400, 30.6342

Sweetspot

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



20.9073, 30.8413, 13.0351



55.2808, 64.2346, 54.9629



27.2415, 28.6390, 12.2761



12.0896, 14.2411, 11.7651



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.



20.9073, 30.8413, 13.0351



34.1471, 54.1448, 17.6039



19.6209, 30.0794, 17.4383



7.6080, 8.4960, 8.0282



11.3523, 21.5495, 3.5612



0.3219, 0.5478, 0.0888

Inverse Universe

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



21.6545, 14.9603, 37.8243



35.6067, 21.9363, 67.8327



24.0580, 16.3894, 29.3499



7.6538, 7.5697, 9.4760



11.8280, 5.4810, 28.4100



0.3308, 0.1555, 0.6932

Previews

White Background



This preview shows how the XYZ color 20.9065, 30.8400, 13.0344 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 20.9065, 30.8400, 13.0344 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

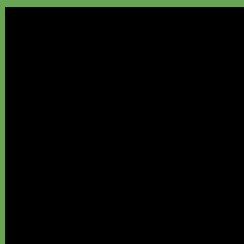
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 20.9065, 30.8400, 13.0344

Background



This preview shows how black text looks on a background with the XYZ color 20.9065, 30.8400, 13.0344.



This preview shows how white text looks on a background with the XYZ color 20.9065, 30.8400,

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

20.9065, 30.8400, 13.0344

Protanopia

28.0074, 30.4697, 11.6128

Deuteranopia

30.9170, 30.3113, 13.6724



Tritanopia

26.8262, 30.9005, 42.0866

Trichromacy



Original Color

20.9065, 30.8400, 13.0344

Protanomaly

24.6641, 30.1958, 12.1178

Deuteranomaly

26.1133, 29.6914, 13.3715

Tritanomaly

24.0977, 30.5540, 28.6722

Monochromacy



Original Color

20.9065, 30.8400, 13.0344

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

22.4641, 26.9234, 21.1523

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9065, 30.8400, 13.0344 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(104, 166, 83)` looks like.

```
.text, #text, p{  
    color:rgb(104, 166, 83)  
}
```

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(104, 166, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 166, 83) }
```

Border

The CSS property to change the border of an element to XYZ 20.9065, 30.8400, 13.0344 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(104, 166, 83) }
```


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

```
.border{ border-color:rgb(104, 166, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 166, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 166, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 166, 83);  
box-shadow:4px 4px 4px 4px rgb(104, 166,  
83) }
```

Background

The CSS property to change the background color of an element to XYZ 20.9065, 30.8400, 13.0344 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 166, 83) }
```

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

```
.background{ background-color: rgb(104,  
166, 83) }
```

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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