

Converting Colors

XYZ(30.2320, 41.5290, 21.9188)

Have a look what the booklet for
XYZ(30.2320, 41.5290, 21.9188)
contains.

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Color

**XYZ(30.2667, 41.6384,
22.0646)**

Conversions

Conversions Part 1

Format	Color
Hex	84BB71
RGB	132, 187, 113
RGB Percent	52%, 73%, 44%
CMY	0.4823, 0.2667, 0.5569
CMYK	0.29, 0.00, 0.40, 0.27
HSL	105°, 35%, 59%
HSV	105°, 40%, 73%
XYZ	30.2667, 41.6384, 22.0646
YIQ	162.1190, -9.0260, -34.6740

Conversions

Conversions Part 2

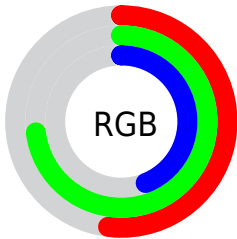
Format	Color
RYB	113, 187, 168
Decimal	8698737
CIELab	70.62, -31.93, 31.87
CIElCh	71, 45.113, 135.050
Yxy	41.6384, 0.3221, 0.4431
Android (android.graphics.Color)	4286888817 (0xFF84BB71)
YUV	162.1190, -24.2157, -26.4144
Hunter-Lab	64.5278, -29.1985, 24.8959

Details

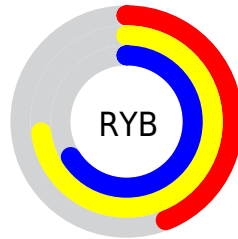
The XYZ color **30.2667, 41.6384, 22.0646** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **31.0250, 23.7242, 49.9599**, and the grayscale version is **34.5123, 36.3096, 39.5412**.

A 20% lighter version of the original color is **59.4270, 77.4192, 47.8876**, and **12.6212, 18.8507, 7.8238** is the 20% darker color. If you saturate the color by 10%, you get **27.2901, 40.2145, 16.9847**, and if you desaturate by 10%, it is **33.7520, 43.3019, 28.3024**.

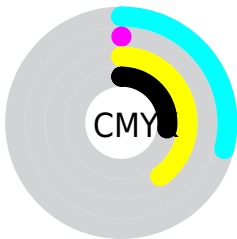
Distribution



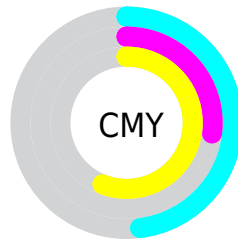
- Red (52%)
- Green (73%)
- Blue (44%)



- Red (44%)
- Yellow (73%)
- Blue (66%)



- Cyan (29%)
- Magenta (0%)
- Yellow (40%)
- Black (27%)



- Cyan (48%)
- Magenta (27%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.2667, 41.6384, 22.0646 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 30.2667, 41.6384, 22.0646 by changing the saturation by 10% instead.

■ 30.2667, 41.6384,
22.0646

■ 30.2667, 41.6384,
22.0646

295.0332,
352.9818, 275.8479

■ 20.1902, 28.8183,
13.7056

■ 59.4674, 77.6521,
47.7563

■ 12.6424, 18.9434,
7.7798

■ 79.3224, 101.6144,
65.9261

■ 7.2581, 11.6294,
3.8686

■ 103.1675,
130.0595, 88.2032

■ 3.6718, 6.4918,
1.5535

■ 131.3681,
163.3719, 115.0062

■ 1.5182, 3.1464,
0.2573

164.2897,
201.9359, 146.7537

■ 0.3382, 1.2086,
0.0000

202.2974,

■ 0.0000, 0.0687,

246.1360, 183.8641

0.0000

245.7568,
296.3565, 226.7560

■ 0.0000, 0.0000,
0.0000

■ 30.2667, 41.6384,
22.0646

■ 30.2667, 41.6384,
22.0646

■ 27.2901, 40.2145,
16.9847

■ 33.7520, 43.3019,
28.3024

■ 24.7942, 39.0137,
12.9887

■ 37.7658, 45.2102,
35.7606

■ 22.7531, 38.0256,
9.9984


■ 42.3308, 47.3749,
44.5002


■ 21.1369, 37.2366,
7.9241


■ 47.4673, 49.8051,
54.5776


■ 19.9114, 36.6315,
6.6599


■ 53.1945, 52.5097,
66.0459


 19.0232, 36.1872,
6.0052

 59.5308, 55.4970,
78.9549

 18.9905, 36.1709,
5.9808

 66.4936, 58.7750,
93.3524

 72.8510, 61.8519,
102.7067

 77.0611, 64.0223,
102.9037

Harmonies

Analogous

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



35.9667, 41.6384, 16.1096



30.2667, 41.6384, 22.0646



27.2709, 41.6384, 35.5424

Triad

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



30.2667, 41.6384, 22.0646



35.9893, 41.6384, 97.7434



55.1092, 41.6384, 35.4840

Complementary

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



30.2667, 41.6384, 22.0646



31.0250, 23.7242, 49.9599

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.



55.1172, 41.6384, 56.7838



30.2667, 41.6384, 22.0646



43.4191, 41.6384, 97.7126

Square

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



30.2667, 41.6384, 22.0646



30.2814, 41.6384, 81.0731



50.6218, 41.6384, 80.9989



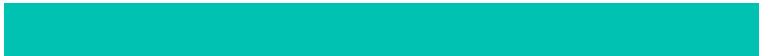
50.6011, 41.6384, 22.0334

Rectangle

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



30.2667, 41.6384, 22.0646



26.9369, 41.6384, 49.0505



50.6218, 41.6384, 80.9989



55.6551, 41.6384, 41.8161

Sweetspot

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



30.2677, 41.6402, 22.0655



73.5700, 83.7826, 75.3648



37.3435, 39.4941, 21.2783



15.9607, 18.3363, 16.1339



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



30.2677, 41.6402, 22.0655



49.7753, 72.4530, 31.9192



28.6288, 40.6721, 27.5556



9.6323, 10.7648, 10.1468



13.1421, 24.9509, 4.1233



0.5779, 1.0099, 0.1645

Inverse Universe

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



31.0250, 23.7242, 49.9599



51.2812, 36.1158, 88.4696



33.6306, 25.2684, 41.0045



9.6844, 9.5697, 12.0089



13.5851, 6.2894, 32.8909



0.5896, 0.2760, 1.2911

Previews

White Background



This preview shows how the XYZ color 30.2667, 41.6384, 22.0646 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 30.2667, 41.6384, 22.0646 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

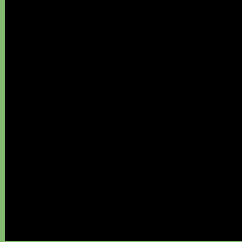
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.2667, 41.6384, 22.0646

Background



This preview shows how black text looks on a background with the XYZ color 30.2667, 41.6384, 22.0646.



This preview shows how white text looks on a background with the XYZ color 30.2667, 41.6384,

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

30.2667, 41.6384, 22.0646

Protanopia

38.1454, 41.2580, 19.8630

Deuteranopia

42.1787, 41.3401, 22.8959



Tritanopia

37.1119, 41.6663, 55.9556

Trichromacy



Original Color

30.2667, 41.6384, 22.0646

Protanomaly

34.6309, 40.8732, 20.5321

Deuteranomaly

36.6864, 40.7318, 22.4514

Tritanomaly

33.9499, 41.2675, 40.8264

Monochromacy



Original Color

30.2667, 41.6384, 22.0646

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

32.3594, 37.7187, 31.9605

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.2667, 41.6384, 22.0646 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(132, 187, 113)` looks like.

```
.text, #text, p{  
    color:rgb(132, 187, 113)  
}
```

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(132, 187, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 187, 113) }
```

Border

The CSS property to change the border of an element to XYZ 30.2667, 41.6384, 22.0646 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(132, 187, 113) }
```


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

```
.border{ border-color:rgb(132, 187, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 187, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 187, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 187, 113);  
box-shadow:4px 4px 4px 4px rgb(132, 187,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 30.2667, 41.6384, 22.0646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 187, 113) }
```

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

```
.background{ background-color: rgb(132,  
187, 113) }
```

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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