

Converting Colors

XYZ(20.6887, 30.2448, 14.5697)

Have a look what the booklet for
XYZ(20.6887, 30.2448, 14.5697)
contains.

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Color

**XYZ(20.6433, 30.1310,
14.6254)**

Conversions

Conversions Part 1

Format	Color
Hex	66A45B
RGB	102, 164, 91
RGB Percent	40%, 64%, 36%
CMY	0.6000, 0.3569, 0.6431
CMYK	0.38, 0.00, 0.45, 0.36
HSL	111°, 29%, 50%
HSV	111°, 45%, 64%
XYZ	20.6433, 30.1310, 14.6254
YIQ	137.1400, -13.5190, -35.8470

Conversions

Conversions Part 2

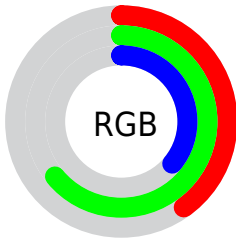
Format	Color
RYB	91, 164, 153
Decimal	6726747
CIELab	61.77, -34.65, 31.65
CIELCh	62, 46.934, 137.589
Yxy	30.1310, 0.3156, 0.4607
Android (android.graphics.Color)	4284916827 (0xFF66A45B)
YUV	137.1400, -22.7470, -30.8178
Hunter-Lab	54.8917, -28.9314, 22.6269

Details

The XYZ color **20.6433, 30.1310, 14.6254** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **23.5801, 16.9357, 37.1496**, and the grayscale version is **23.9185, 25.1641, 27.4037**.

A 20% lighter version of the original color is **43.9243, 59.6839, 34.7963**, and **7.5456, 12.4409, 4.2891** is the 20% darker color. If you saturate the color by 10%, you get **18.5637, 29.1328, 11.2302**, and if you desaturate by 10%, it is **23.1443, 31.3303, 18.8487**.

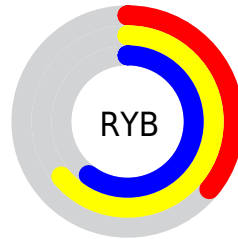
Distribution



Red (40%)

Green (64%)

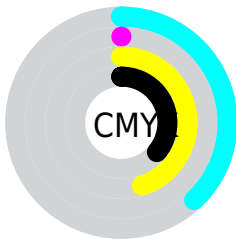
Blue (36%)



Red (36%)

Yellow (64%)

Blue (60%)

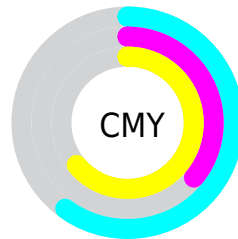


Cyan (38%)

Magenta (0%)

Yellow (45%)

Black (36%)



Cyan (60%)

Magenta (36%)

Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.6433, 30.1310, 14.6254 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 20.6433, 30.1310, 14.6254 by changing the saturation by 10% instead.

■ 20.6433, 30.1310,
14.6254

■ 20.6433, 30.1310,
14.6254

248.1445,
302.5146, 232.6497

■ 12.9745, 19.9380,
8.4132

■ 43.9889, 59.8693,
34.9276

■ 7.4879, 12.3500,
4.2689

■ 60.3964, 80.1834,
49.8547

■ 3.8181, 6.9825,
1.7740

■ 80.4475, 104.6400,
68.5239

■ 1.5997, 3.4512,
0.4107

■ 104.5075,
133.6236, 91.3537

■ 0.3922, 1.3716,
0.0000

132.9419,
167.5184, 118.7626

■ 0.0000, 0.1956,
0.0000

166.1159,

■ 0.0000, 0.0000,

206.7089, 151.1692

0.0000

204.3950,
251.5795, 188.9921

■ 20.6433, 30.1310,
14.6254

■ 20.6433, 30.1310,
14.6254

■ 18.5637, 29.1328,
11.2302

■ 23.1443, 31.3303,
18.8487

■ 16.8799, 28.3211,
8.6068

■ 26.0861, 32.7371,
23.9475

■ 15.5668, 27.6851,
6.6952


■ 29.4894, 34.3618,
29.9678


■ 14.5954, 27.2115,
5.4256


■ 33.3732, 36.2134,
36.9520


■ 13.9321, 26.8846,
4.7134


■ 37.7553, 38.3002,
44.9398

 13.6698, 26.7551,
4.4438

 42.6524, 40.6300,
53.9687

 48.0806, 43.2103,
64.0743

 54.0555, 46.0484,
75.2904

 60.5916, 49.1511,
87.6493

Harmonies

Analogous

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



25.1550, 30.1310, 9.7056



20.6433, 30.1310, 14.6254



18.4233, 30.1310, 25.9460

Triad

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



20.6433, 30.1310, 14.6254



26.1302, 30.1310, 79.2683



41.7046, 30.1310, 23.4590

Complementary

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



20.6433, 30.1310, 14.6254



23.5801, 16.9357, 37.1496

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.



42.0670, 30.1310, 40.7832



20.6433, 30.1310, 14.6254



32.4298, 30.1310, 77.8266

Square

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



20.6433, 30.1310, 14.6254



21.2673, 30.1310, 65.3850



38.4703, 30.1310, 61.9611



37.5423, 30.1310, 13.3783

Rectangle

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



20.6433, 30.1310, 14.6254



18.2927, 30.1310, 37.5711



38.4703, 30.1310, 61.9611



42.2946, 30.1310, 28.4647

Sweetspot

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



20.6441, 30.1323, 14.6261



54.3705, 62.7727, 55.9026



28.4006, 31.0516, 14.3947



11.5804, 13.5774, 11.6752



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



20.6441, 30.1323, 14.6261



33.8714, 52.9637, 20.6661



20.7045, 30.0219, 21.0247



7.0803, 7.9439, 7.5402



10.5076, 20.5274, 3.4084



0.2475, 0.4451, 0.0729

Inverse Universe

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



23.5801, 16.9357, 37.1496



39.8362, 25.9927, 66.6698



23.7611, 17.2591, 26.7624



7.2590, 7.1479, 8.9002



13.3709, 6.2994, 27.4410



0.3076, 0.1461, 0.5778

Previews

White Background



This preview shows how the XYZ color 20.6433, 30.1310, 14.6254 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 20.6433, 30.1310, 14.6254 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

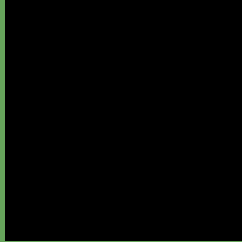
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 20.6433, 30.1310, 14.6254

Background



This preview shows how black text looks on a background with the XYZ color 20.6433, 30.1310, 14.6254.



This preview shows how white text looks on a background with the XYZ color 20.6433, 30.1310,

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

20.6433, 30.1310, 14.6254

Protanopia

27.4914, 29.9373, 12.9239

Deuteranopia

30.3747, 29.7742, 15.2124



Tritanopia

25.9917, 29.9828, 41.4631

Trichromacy



Original Color

20.6433, 30.1310, 14.6254

Protanomaly

24.2604, 29.4620, 13.4249

Deuteranomaly

25.6892, 29.2002, 14.8719

Tritanomaly

23.5160, 29.7267, 29.3093

Monochromacy



Original Color

20.6433, 30.1310, 14.6254

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

22.1361, 26.5086, 21.7193

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.6433, 30.1310, 14.6254 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(102, 164, 91)` looks like.

```
.text, #text, p{  
    color:rgb(102, 164, 91)  
}
```

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(102, 164, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 164, 91) }
```

Border

The CSS property to change the border of an element to XYZ 20.6433, 30.1310, 14.6254 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(102, 164, 91) }
```


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

```
.border{ border-color:rgb(102, 164, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 164, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 164, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 164, 91);  
box-shadow:4px 4px 4px 4px rgb(102, 164,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 20.6433, 30.1310, 14.6254 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 164, 91) }
```

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

```
.background{ background-color: rgb(102,  
164, 91) }
```

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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