

Converting Colors

XYZ(13.3342, 14.1510, 3.3112)

Have a look what the booklet for
XYZ(13.3342, 14.1510, 3.3112)
contains.

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Color

**XYZ(13.3660, 14.2105,
3.3348)**

Conversions

Conversions Part 1

Format	Color
Hex	7B681F
RGB	123, 104, 31
RGB Percent	48%, 41%, 12%
CMY	0.5176, 0.5921, 0.8784
CMYK	0.00, 0.15, 0.75, 0.52
HSL	48°, 60%, 30%
HSV	48°, 75%, 48%
XYZ	13.3660, 14.2105, 3.3348
YIQ	101.3590, 34.7570, -18.6750

Conversions

Conversions Part 2

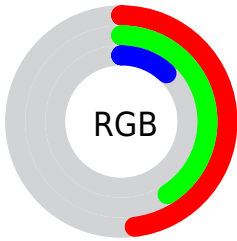
Format	Color
RYB	55, 123, 31
Decimal	8087583
CIELab	44.53, -0.91, 41.79
CIELCh	45, 41.803, 91.246
Yxy	14.2105, 0.4324, 0.4597
Android (android.graphics.Color)	4286277663 (0xFF7B681F)
YUV	101.3590, -34.6870, 18.9792
Hunter-Lab	37.6968, -2.6794, 21.1428

Details

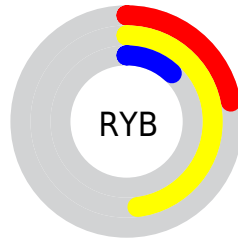
The XYZ color **13.3660, 14.2105, 3.3348** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **5.2808, 4.0025, 19.2329**, and the grayscale version is **12.5437, 13.1969, 14.3714**.

A 20% lighter version of the original color is **31.5294, 33.4869, 12.3912**, and **4.0617, 4.2658, 0.6093** is the 20% darker color. If you saturate the color by 10%, you get **12.9822, 13.6546, 2.5542**, and if you desaturate by 10%, it is **13.8201, 14.8080, 4.4446**.

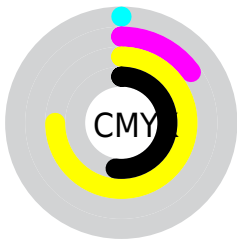
Distribution



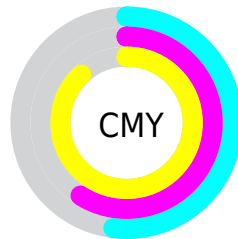
- Red (48%)
- Green (41%)
- Blue (12%)



- Red (22%)
- Yellow (48%)
- Blue (12%)



- Cyan (0%)
- Magenta (15%)
- Yellow (75%)
- Black (52%)



- Cyan (52%)
- Magenta (59%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.3660, 14.2105, 3.3348 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 13.3660, 14.2105, 3.3348 by changing the saturation by 10% instead.

■ 13.3660, 14.2105,
3.3348

■ 13.3660, 14.2105,
3.3348

206.8407,
218.5365, 140.5168

■ 7.7598, 8.2672,
1.2680

■ 31.5555, 33.4621,
12.4440

■ 3.9921, 4.2664,
0.0354

■ 44.8695, 47.5391,
20.3234

■ 1.6977, 1.8237,
0.0000

■ 61.4835, 65.0963,
30.9776

■ 0.4548, 0.5019,
0.0000

■ 81.7629, 86.5178,
44.8249

■ 0.0000, 0.0000,
0.0000

■ 106.0729,
112.1882, 62.2839

■ 134.7790,

142.4919, 83.7732

168.2465,
177.8132, 109.7113

13.3660, 14.2105,
3.3348

13.3660, 14.2105,
3.3348

12.9822, 13.6546,
2.5542

13.8201, 14.8080,
4.4446

12.6580, 13.1342,
2.0519

14.3499, 15.4476,
5.9160

12.4988, 12.8719,
1.8258

14.9614, 16.1323,
7.7786

15.6594, 16.8644,
10.0586

16.4488, 17.6458,
12.7799

■ 17.3336, 18.4781,
15.9645

■ 18.3180, 19.3632,
19.6333

■ 19.4056, 20.3027,
23.8055

■ 20.6000, 21.2979,
28.4994

Harmonies

Analogous

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



16.8764, 14.2105, 4.2268



13.3660, 14.2105, 3.3348



10.4114, 14.2105, 4.3993

Triad

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



13.3660, 14.2105, 3.3348



8.6820, 14.2105, 27.2592



20.0348, 14.2105, 26.2506

Complementary

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



13.3660, 14.2105, 3.3348



5.2808, 4.0025, 19.2329

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.



17.1616, 14.2105, 37.4326



13.3660, 14.2105, 3.3348



10.6182, 14.2105, 38.1658

Square

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



13.3660, 14.2105, 3.3348



8.0004, 14.2105, 15.8806



13.6483, 14.2105, 42.4974



21.0921, 14.2105, 15.0721

Rectangle

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



13.3660, 14.2105, 3.3348



9.0502, 14.2105, 6.5087



13.6483, 14.2105, 42.4974



19.2281, 14.2105, 30.2730

Sweetspot

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



13.3663, 14.2112, 3.3351



29.7978, 31.9272, 24.0971



9.2545, 5.4295, 3.6848



6.9400, 7.4448, 5.3996



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



13.3663, 14.2112, 3.3351



22.8103, 23.7560, 3.8759



12.2530, 16.8025, 3.8939



4.2408, 4.5001, 4.2696



12.9262, 13.3083, 1.8875



61.0371, 62.2377, 8.7961

Inverse Universe

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



5.2808, 4.0025, 19.2329



7.5909, 4.6193, 34.0482



5.7564, 3.2821, 19.0688



3.8585, 4.0153, 5.0149



4.0635, 2.2094, 19.5976



18.8758, 9.5242, 93.3133

Previews

White Background



This preview shows how the XYZ color 13.3660, 14.2105, 3.3348 looks on a white 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 × Fail

Black Background



This preview shows how the XYZ color 13.3660, 14.2105, 3.3348 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

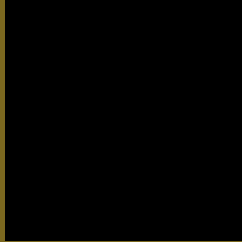
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.3660, 14.2105, 3.3348

Background



This preview shows how black text looks on a background with the XYZ color 13.3660, 14.2105, 3.3348.



This preview shows how white text looks on a background with the XYZ color 13.3660, 14.2105,

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

13.3660, 14.2105, 3.3348

Protanopia

12.8726, 14.2585, 3.3700

Deuteranopia

14.3474, 14.1297, 3.4100



Tritanopia

15.7266, 14.1585, 15.2686

Trichromacy



Original Color

13.3660, 14.2105, 3.3348

Protanomaly

13.0446, 14.1951, 3.3487

Deuteranomaly

13.9677, 14.0788, 3.3478

Tritanomaly

14.5365, 14.1000, 9.1631

Monochromacy



Original Color

13.3660, 14.2105, 3.3348

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.3626, 13.2758, 8.7484

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.3660, 14.2105, 3.3348 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(123, 104, 31)` looks like.

```
.text, #text, p{  
    color:rgb(123, 104, 31)  
}
```

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(123, 104, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 104, 31) }
```

Border

The CSS property to change the border of an element to XYZ 13.3660, 14.2105, 3.3348 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(123, 104, 31) }
```


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

```
.border{ border-color:rgb(123, 104, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 104, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 104, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 104, 31);  
box-shadow:4px 4px 4px 4px rgb(123, 104,  
31) }
```

Background

The CSS property to change the background color of an element to XYZ 13.3660, 14.2105, 3.3348 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 104, 31) }
```

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

```
.background{ background-color: rgb(123,  
104, 31) }
```

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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