

Converting Colors

XYZ(12.7425, 18.2795, 0.0000)

Have a look what the booklet for
XYZ(12.7425, 18.2795, 0.0000)
contains.

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Color

**XYZ(13.3297, 18.5253,
2.8732)**

Conversions

Conversions Part 1

Format	Color
Hex	668100
RGB	102, 129, 0
RGB Percent	40%, 51%, 0%
CMY	0.6000, 0.4941, 1.0000
CMYK	0.21, 0.00, 1.00, 0.49
HSL	73°, 100%, 25%
HSV	73°, 100%, 51%
XYZ	13.3297, 18.5253, 2.8732
YIQ	106.2210, 25.3170, -45.8430

Conversions

Conversions Part 2

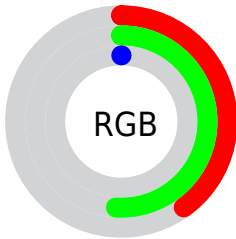
Format	Color
RYB	0, 129, 27
Decimal	6717696
CIELab	50.13, -25.26, 54.47
CIElCh	50, 60.040, 114.876
Yxy	18.5253, 0.3838, 0.5334
Android (android.graphics.Color)	4284907776 (0xFF668100)
YUV	106.2210, -52.3670, -3.7018
Hunter-Lab	43.0410, -20.0408, 26.1708

Details

The XYZ color **13.3297, 18.5253, 2.8732** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **4.4151, 1.8185, 20.8883**, and the grayscale version is **13.8954, 14.6191, 15.9202**.

A 20% lighter version of the original color is **31.5867, 41.0056, 11.2511**, and **4.1841, 6.4154, 1.0178** is the 20% darker color. If you saturate the color by 10%, you get **13.3299, 18.5260, 2.8733**, and if you desaturate by 10%, it is **13.7132, 18.7153, 3.2674**.

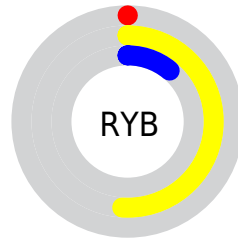
Distribution



Red (40%)

Green (51%)

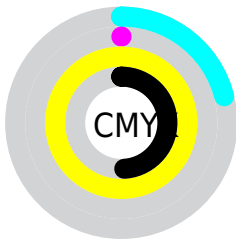
Blue (0%)



Red (0%)

Yellow (51%)

Blue (11%)

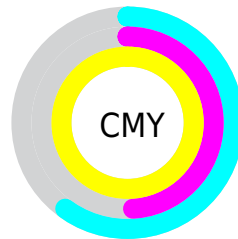


Cyan (21%)

Magenta (0%)

Yellow (100%)

Black (49%)



Cyan (60%)

Magenta (49%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.3297, 18.5253, 2.8732 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 13.3297, 18.5253, 2.8732 by changing the saturation by 10% instead.

■ 13.3297, 18.5253,
2.8732

■ 13.3297, 18.5253,
2.8732

206.6152,
243.8155, 134.7289

■ 7.7345, 11.3278,
1.0303

■ 31.4911, 40.9304,
11.3139

■ 3.9759, 6.2878,
0.0000

■ 44.7881, 56.9068,
18.7488

■ 1.6885, 3.0208,
0.0000

■ 61.3831, 76.5782,
28.8847

■ 0.4491, 1.1426,
0.0000

■ 81.6414, 100.3292,
42.1402


■ 0.0000, 0.0141,
0.0000


■ 105.9284,
128.5440, 58.9338


■ 0.0000, 0.0000,
0.0000


■ 134.6095,


161.6070, 79.6841


 168.0499,
199.9027, 104.8096


 13.3297, 18.5253,
2.8732


 13.3297, 18.5253,
2.8732


 13.3299, 18.5260,
2.8733

 13.7132, 18.7153,
3.2674

 14.1467, 18.9258,
3.8736

 14.6551, 19.1674,
4.8216

 15.2463, 19.4434,
6.1524

 15.9272, 19.7564,
7.9010

■ 16.7036, 20.1088,
10.0985

■ 17.5811, 20.5029,
12.7733

■ 18.5646, 20.9406,
15.9512

■ 19.6588, 21.4238,
19.6563

Harmonies

Analogous

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



18.6203, 18.5253, 2.1686



13.3297, 18.5253, 2.8732



9.9849, 18.5253, 6.8306

Triad

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



13.3297, 18.5253, 2.8732



11.9504, 18.5253, 59.0723



31.1778, 18.5253, 23.1530

Complementary

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



13.3297, 18.5253, 2.8732



4.4151, 1.8185, 20.8883

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.



28.3664, 18.5253, 44.6212



13.3297, 18.5253, 2.8732



16.6325, 18.5253, 71.4675

Square

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



13.3297, 18.5253, 2.8732



9.3194, 18.5253, 36.7642



22.7152, 18.5253, 65.0918



29.7541, 18.5253, 9.5164

Rectangle

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



13.3297, 18.5253, 2.8732



8.9025, 18.5253, 12.9466



22.7152, 18.5253, 65.0918



30.6814, 18.5253, 29.6799

Sweetspot

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



13.3301, 18.5261, 2.8736



31.3643, 36.6614, 22.5037



9.4190, 5.3977, 0.5457



6.9706, 8.2406, 4.6955



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



13.3301, 18.5261, 2.8736



23.7416, 33.1082, 5.1392



8.6764, 16.1271, 2.6558



4.5800, 4.9754, 4.6391



12.9995, 18.0639, 2.8015



0.0000, 0.0000, 0.0000

Inverse Universe

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



4.4151, 1.8185, 20.8883



7.7969, 3.1998, 37.3992



8.2090, 3.7743, 21.0659



4.1865, 4.2518, 5.4133



4.3073, 1.7742, 20.3654



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 13.3297, 18.5253, 2.8732 looks on a white 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

Black Background



This preview shows how the XYZ color 13.3297, 18.5253, 2.8732 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

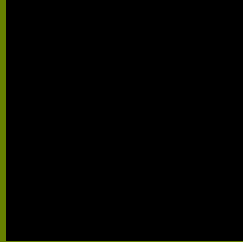
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 13.3297, 18.5253, 2.8732

Background



This preview shows how black text looks on a background with the XYZ color 13.3297, 18.5253, 2.8732.



This preview shows how white text looks on a background with the XYZ color 13.3297, 18.5253,

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

13.3297, 18.5253, 2.8732

Protanopia

16.4283, 18.2620, 2.6590

Deuteranopia

18.6375, 18.3561, 3.3714



Tritanopia

17.4890, 18.5286, 23.4235

Trichromacy



Original Color

13.3297, 18.5253, 2.8732

Protanomaly

15.1090, 18.3035, 2.7366

Deuteranomaly

16.3559, 18.2147, 3.1057

Tritanomaly

14.9126, 18.0263, 10.6761

Monochromacy



Original Color

13.3297, 18.5253, 2.8732

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

12.8561, 15.4431, 7.6134

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.3297, 18.5253, 2.8732 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, 129, 0)` looks like.

```
.text, #text, p{  
    color:rgb(102, 129, 0)  
}
```

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, 129, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 129, 0) }
```

Border

The CSS property to change the border of an element to XYZ 13.3297, 18.5253, 2.8732 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, 129, 0) }
```


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

```
.border{ border-color:rgb(102, 129, 0) }
```

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

Here you see how a box with a 4 pixel rgb(102, 129, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 129, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 129, 0);  
box-shadow:4px 4px 4px 4px rgb(102, 129,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 13.3297, 18.5253, 2.8732 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 129, 0) }
```

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

```
.background{ background-color: rgb(102,  
129, 0) }
```

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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