

Converting Colors

XYZ(13.0012, 20.5960, 4.5866)

Have a look what the booklet for
XYZ(13.0012, 20.5960, 4.5866)
contains.

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Color

**XYZ(13.0187, 20.6044,
4.5872)**

Conversions

Conversions Part 1

Format	Color
Hex	518C1F
RGB	81, 140, 31
RGB Percent	32%, 55%, 12%
CMY	0.6824, 0.4510, 0.8784
CMYK	0.42, 0.00, 0.78, 0.45
HSL	92°, 64%, 34%
HSV	92°, 78%, 55%
XYZ	13.0187, 20.6044, 4.5872
YIQ	109.9330, -0.1750, -46.4070

Conversions

Conversions Part 2

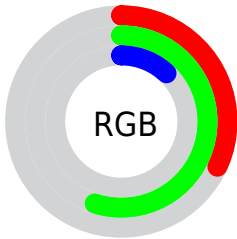
Format	Color
R_{YB}	31, 140, 90
Decimal	5344287
CIE _{Lab}	52.51, -37.58, 48.54
CIE _{LCh}	53, 61.383, 127.749
Yxy	20.6044, 0.3407, 0.5392
Android (android.graphics.Color)	4283534367 (0xFF518C1F)
YUV	109.9330, -38.9140, -25.3742
Hunter-Lab	45.3921, -28.2413, 25.7828

Details

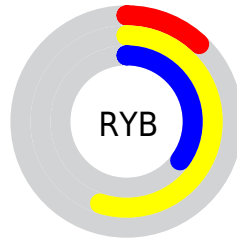
The XYZ color **13.0187, 20.6044, 4.5872** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **9.4411, 5.0478, 25.2888**, and the grayscale version is **14.9105, 15.6870, 17.0831**.

A 20% lighter version of the original color is **30.8837, 44.3746, 15.3249**, and **3.9491, 7.3389, 1.2084** is the 20% darker color. If you saturate the color by 10%, you get **12.2594, 20.2305, 3.7892**, and if you desaturate by 10%, it is **13.9317, 21.0496, 5.8118**.

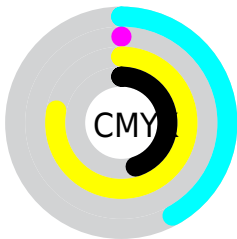
Distribution



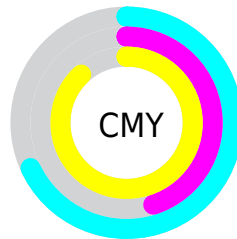
- Red (32%)
- Green (55%)
- Blue (12%)



- Red (12%)
- Yellow (55%)
- Blue (35%)



- Cyan (42%)
- Magenta (0%)
- Yellow (78%)
- Black (45%)



- Cyan (68%)
- Magenta (45%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.0187, 20.6044, 4.5872 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 13.0187, 20.6044, 4.5872 by changing the saturation by 10% instead.

■ 13.0187, 20.6044,
4.5872

■ 13.0187, 20.6044,
4.5872

204.6727,
255.1686, 154.5442

■ 7.5185, 12.8351,
1.9527

■ 30.9384, 44.4282,
15.3429

■ 3.8376, 7.3151,
0.5260

■ 44.0886, 61.2516,
24.3011

■ 1.6107, 3.6599,
0.0000

■ 60.5196, 81.8617,
36.2043

■ 0.3994, 1.4852,
0.0000

■ 80.5966, 106.6431,
51.4711

■ 0.0000, 0.2783,
0.0000

■ 104.6851,
135.9801, 70.5199

■ 0.0000, 0.0000,
0.0000

■ 133.1503,

170.2570, 93.7693

166.3577,
209.8584, 121.6379

■ 13.0187, 20.6044,
4.5872

■ 13.0187, 20.6044,
4.5872

■ 12.2594, 20.2305,
3.7892

■ 13.9317, 21.0496,
5.8118

■ 11.6311, 19.9164,
3.3175

■ 15.0084, 21.5682,
7.5104

■ 11.5070, 19.8543,
3.2258

■ 16.2595, 22.1654,
9.7256

■ 17.6942, 22.8452,
12.4950

■ 19.3208, 23.6111,
15.8525

■ 21.1473, 24.4665,
19.8294

■ 23.1809, 25.4146,
24.4548

■ 25.4287, 26.4584,
29.7560

■ 27.8972, 27.6007,
35.7585

Harmonies

Analogous

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



17.9829, 20.6044, 2.5612



13.0187, 20.6044, 4.5872



10.3163, 20.6044, 11.6265

Triad

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



13.0187, 20.6044, 4.5872



15.3142, 20.6044, 72.8674



34.3473, 20.6044, 18.0415

Complementary

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



13.0187, 20.6044, 4.5872



9.4411, 5.0478, 25.2888

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.



33.2000, 20.6044, 38.4543



13.0187, 20.6044, 4.5872



21.2771, 20.6044, 77.9942

Square

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



13.0187, 20.6044, 4.5872



11.4281, 20.6044, 51.3796



28.0517, 20.6044, 63.0062



30.9135, 20.6044, 7.1127

Rectangle

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



13.0187, 20.6044, 4.5872



9.7404, 20.6044, 21.0891



28.0517, 20.6044, 63.0062



34.4960, 20.6044, 23.8363

Sweetspot

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



13.0192, 20.6053, 4.5877



35.4249, 42.2649, 30.8737



14.6469, 12.8422, 3.0034



7.9286, 9.6290, 6.6098



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



13.0192, 20.6053, 4.5877



20.8117, 35.2651, 6.0798



10.2417, 19.1676, 4.7220



5.1756, 5.7132, 5.3824



10.2463, 17.6521, 2.8672



0.0846, 0.1258, 0.0198

Inverse Universe

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



9.4411, 5.0478, 25.2888



14.1734, 6.5501, 44.2602



15.7761, 8.3440, 24.2096



5.0163, 5.0168, 6.3098



6.8621, 3.0517, 22.2730



0.0625, 0.0290, 0.1488

Previews

White Background



This preview shows how the XYZ color 13.0187, 20.6044, 4.5872 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 13.0187, 20.6044, 4.5872 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 13.0187, 20.6044, 4.5872

Background



This preview shows how black text looks on a background with the XYZ color 13.0187, 20.6044, 4.5872.



This preview shows how white text looks on a background with the XYZ color 13.0187, 20.6044,

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

13.0187, 20.6044, 4.5872

Protanopia

18.3467, 20.3218, 3.9924

Deuteranopia

20.5890, 20.1849, 4.9087



Tritanopia

17.7201, 20.4297, 28.2087

Trichromacy



Original Color

13.0187, 20.6044, 4.5872

Protanomaly

15.8000, 19.9710, 4.1207

Deuteranomaly

16.8480, 19.7224, 4.6691

Tritanomaly

15.1884, 20.2139, 15.4131

Monochromacy



Original Color

13.0187, 20.6044, 4.5872

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

13.4682, 16.9215, 10.3409

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.0187, 20.6044, 4.5872 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(81, 140, 31)` looks like.

```
.text, #text, p{  
    color:rgb(81, 140, 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(81, 140, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 140, 31) }
```

Border

The CSS property to change the border of an element to XYZ 13.0187, 20.6044, 4.5872 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(81, 140, 31) }
```


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

```
.border{ border-color:rgb(81, 140, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 140, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 140, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 140, 31);  
box-shadow:4px 4px 4px 4px rgb(81, 140,  
31) }
```

Background

The CSS property to change the background color of an element to XYZ 13.0187, 20.6044, 4.5872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 140, 31) }
```

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

```
.background{ background-color: rgb(81, 140,  
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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