

Converting Colors

XYZ(13.2399, 19.2991, 15.0662)

Have a look what the booklet for
XYZ(13.2399, 19.2991, 15.0662)
contains.

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Color

**XYZ(13.2092, 19.1992,
15.0662)**

Conversions

Conversions Part 1

Format	Color
Hex	448664
RGB	68, 134, 100
RGB Percent	27%, 53%, 39%
CMY	0.7333, 0.4745, 0.6078
CMYK	0.49, 0.00, 0.25, 0.47
HSL	149°, 33%, 40%
HSV	149°, 49%, 53%
XYZ	13.2092, 19.1992, 15.0662
YIQ	110.3900, -28.4220, -24.5660

Conversions

Conversions Part 2

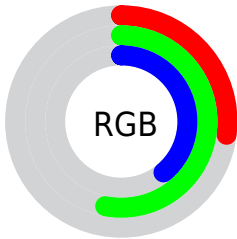
Format	Color
RYB	68, 112, 134
Decimal	4490852
CIELab	50.92, -29.46, 11.93
CIELCh	51, 31.781, 157.947
Yxy	19.1992, 0.2782, 0.4044
Android (android.graphics.Color)	4282680932 (0xFF448664)
YUV	110.3900, -5.1223, -37.1760
Hunter-Lab	43.8169, -22.8683, 10.2853

Details

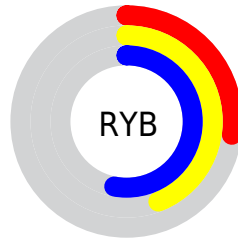
The XYZ color **13.2092, 19.1992, 15.0662** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **14.2975, 10.1623, 13.7789**, and the grayscale version is **14.9536, 15.7324, 17.1326**.

A 20% lighter version of the original color is **31.3149, 42.1939, 35.7719**, and **3.9381, 6.6622, 4.4465** is the 20% darker color. If you saturate the color by 10%, you get **12.0593, 18.6439, 13.3417**, and if you desaturate by 10%, it is **14.6021, 19.8775, 16.9507**.

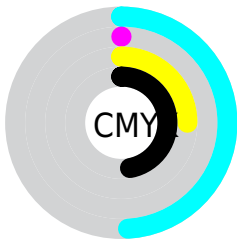
Distribution



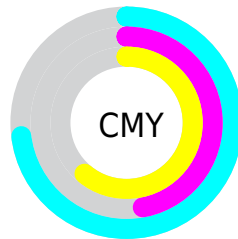
- Red (27%)
- Green (53%)
- Blue (39%)



- Red (27%)
- Yellow (44%)
- Blue (53%)



- Cyan (49%)
- Magenta (0%)
- Yellow (25%)
- Black (47%)



- Cyan (73%)
- Magenta (47%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.2092, 19.1992, 15.0662 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 13.2092, 19.1992, 15.0662 by changing the saturation by 10% instead.

■ 13.2092, 19.1992,
15.0662

■ 13.2092, 19.1992,
15.0662

205.8647,
247.5463, 235.4211

■ 7.6508, 11.8143,
8.7187

■ 31.2772, 42.0704,
35.7132

■ 3.9222, 6.6174,
4.4639

■ 44.5175, 58.3256,
50.8498

■ 1.6582, 3.2240,
1.8831

■ 61.0492, 78.3062,
69.7532

■ 0.4299, 1.2498,
0.4820

■ 81.2375, 102.3968,
92.8420

■ 0.0000, 0.1018,
0.0000

■ 105.4478,
130.9817, 120.5346

■ 0.0000, 0.0000,
0.0000

134.0456,

164.4453, 153.2496

167.3961,
203.1720, 191.4056

■ 13.2092, 19.1992,
15.0662

■ 13.2092, 19.1992,
15.0662

■ 12.0593, 18.6439,
13.3417

■ 14.6021, 19.8775,
16.9507

■ 11.1355, 18.2015,
11.7716

■ 16.2505, 20.6837,
18.9981

■ 10.4208, 17.8637,
10.3517


■ 18.1678, 21.6251,
21.2129


■ 9.8952, 17.6204,
9.0770

■ 20.3662, 22.7078,
23.5988

■ 9.5062, 17.4446,
7.9411


■ 22.8567, 23.9377,
26.1597

 9.4787, 17.4322,
7.8616

 25.6502, 25.3200,
28.8991

 28.7567, 26.8600,
31.8205

 32.1857, 28.5625,
34.9273

 35.9466, 30.4323,
38.2227

Harmonies

Analogous

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



14.7847, 19.1992, 10.0269



13.2092, 19.1992, 15.0662



12.9025, 19.1992, 23.3850

Triad

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



13.2092, 19.1992, 15.0662



19.0949, 19.1992, 43.1055



23.4302, 19.1992, 11.9797

Complementary

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



13.2092, 19.1992, 15.0662



14.2975, 10.1623, 13.7789

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.



24.8978, 19.1992, 18.6062



13.2092, 19.1992, 15.0662



22.2144, 19.1992, 37.7006

Square

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



13.2092, 19.1992, 15.0662



16.0759, 19.1992, 41.3510



24.4291, 19.1992, 28.0848



20.6080, 19.1992, 8.6335

Rectangle

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



13.2092, 19.1992, 15.0662



13.4216, 19.1992, 30.0905



24.4291, 19.1992, 28.0848



24.1122, 19.1992, 13.8090

Sweetspot

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



13.2097, 19.2000, 15.0666



33.4683, 38.8180, 38.9867



15.0599, 20.2990, 8.5934



7.3883, 8.6706, 8.6167



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



13.2097, 19.2000, 15.0666



21.0584, 32.7570, 23.2044



15.1363, 19.9706, 25.2119



4.7034, 5.2396, 5.4492



8.8880, 16.3380, 7.3956



0.0345, 0.0581, 0.0449

Inverse Universe

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



14.2975, 10.1623, 13.7789



23.2067, 14.8985, 20.6544



12.9764, 9.6338, 6.8223



4.7653, 4.7258, 5.3762



10.2266, 5.1550, 5.7656



0.0391, 0.0193, 0.0394

Previews

White Background



This preview shows how the XYZ color 13.2092, 19.1992, 15.0662 looks on a white background.

Color Contrast Check

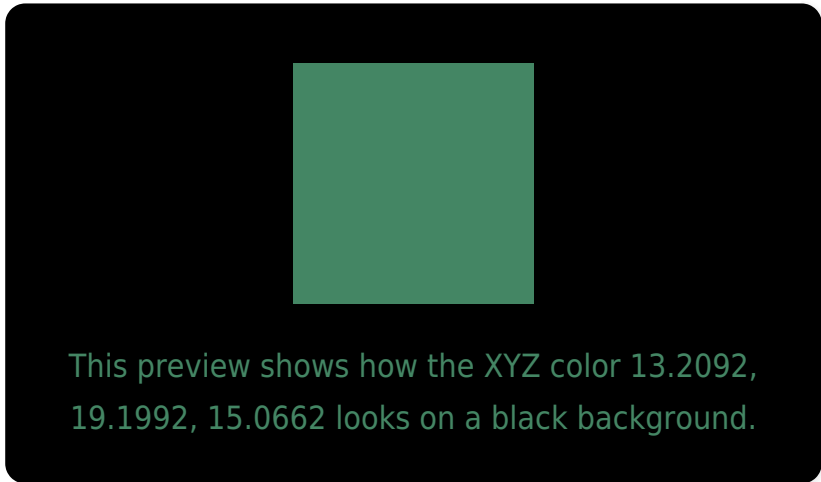
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



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 13.2092, 19.1992, 15.0662

Background



This preview shows how black text looks on a background with the XYZ color 13.2092, 19.1992, 15.0662.



This preview shows how white text looks on a background with the XYZ color 13.2092, 19.1992,

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

13.2092, 19.1992, 15.0662

Protanopia

17.7901, 18.9082, 13.3017

Deuteranopia

19.2253, 18.8935, 15.7302



Tritanopia

15.6523, 19.1843, 27.3041

Trichromacy



Original Color

13.2092, 19.1992, 15.0662

Protanomaly

15.5083, 18.6376, 13.8464

Deuteranomaly

16.3412, 18.6559, 15.5716

Tritanomaly

14.6420, 19.1691, 22.3303

Monochromacy



Original Color

13.2092, 19.1992, 15.0662

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

13.9177, 16.6672, 16.1192

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.2092, 19.1992, 15.0662 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(68, 134, 100)` looks like.

```
.text, #text, p{  
    color:rgb(68, 134, 100)  
}
```

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(68, 134, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 134, 100) }
```

Border

The CSS property to change the border of an element to XYZ 13.2092, 19.1992, 15.0662 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(68, 134, 100) }
```


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

```
.border{ border-color:rgb(68, 134, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 134, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 134, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 134, 100);  
box-shadow:4px 4px 4px 4px rgb(68, 134,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 13.2092, 19.1992, 15.0662 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 134, 100) }
```

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

```
.background{ background-color: rgb(68, 134,  
100) }
```

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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