

Converting Colors

XYZ(13.1994, 15.5172, 12.2414)

Have a look what the booklet for
XYZ(13.1994, 15.5172, 12.2414)
contains.

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Color

**XYZ(13.1612, 15.4993,
12.1955)**

Conversions

Conversions Part 1

Format	Color
Hex	64725B
RGB	100, 114, 91
RGB Percent	39%, 45%, 36%
CMY	0.6078, 0.5529, 0.6431
CMYK	0.12, 0.00, 0.20, 0.55
HSL	97°, 11%, 40%
HSV	97°, 20%, 45%
XYZ	13.1612, 15.4993, 12.1955
YIQ	107.1920, -0.9610, -10.1210

Conversions

Conversions Part 2

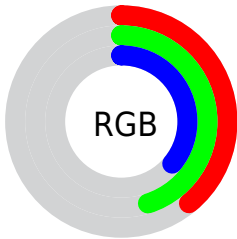
Format	Color
R _Y B	91, 114, 105
Decimal	6582875
CIE Lab	46.31, -9.90, 11.02
CIE LCh	46, 14.820, 131.936
Yxy	15.4993, 0.3221, 0.3794
Android (android.graphics.Color)	4284772955 (0xFF64725B)
YUV	107.1920, -7.9827, -6.3074
Hunter-Lab	39.3692, -9.2230, 9.1920

Details

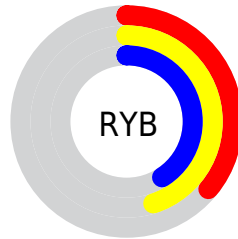
The XYZ color **13.1612, 15.4993, 12.1955** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.6046, 11.7007, 17.5145**, and the grayscale version is **14.0504, 14.7821, 16.0978**.

A 20% lighter version of the original color is **31.2064, 35.7748, 30.4598**, and **3.8901, 4.8428, 3.2123** is the 20% darker color. If you saturate the color by 10%, you get **11.9713, 14.9389, 9.7648**, and if you desaturate by 10%, it is **14.4921, 16.1247, 15.0235**.

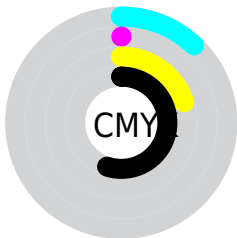
Distribution



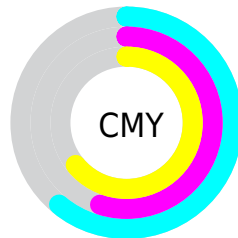
- Red (39%)
- Green (45%)
- Blue (36%)



- Red (36%)
- Yellow (45%)
- Blue (41%)



- Cyan (12%)
- Magenta (0%)
- Yellow (20%)
- Black (55%)



- Cyan (61%)
- Magenta (55%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.1612, 15.4993, 12.1955 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 13.1612, 15.4993, 12.1955 by changing the saturation by 10% instead.

■ 13.1612, 15.4993,
12.1955

■ 13.1612, 15.4993,
12.1955

205.5650,
226.3688, 216.7189

■ 7.6174, 9.1706,
6.7528

■ 31.1919, 35.7268,
30.5204

■ 3.9009, 4.8526,
3.2319

■ 44.4096, 50.3942,
44.2396

■ 1.6462, 2.1610,
1.2142

■ 60.9159, 68.6101,
61.5549

■ 0.4222, 0.6986,
0.0000

■ 81.0763, 90.7587,
82.8845

■ 0.0000, 0.0000,
0.0000

105.2560,
117.2245, 108.6473

133.8205,

148.3919, 139.2615

167.1350,
184.6451, 175.1459

■ 13.1612, 15.4993,
12.1955

■ 13.1612, 15.4993,
12.1955

■ 11.9713, 14.9389,
9.7648

■ 14.4921, 16.1247,
15.0235

■ 10.9161, 14.4393,
7.7127

■ 15.9675, 16.8150,
18.2644

■ 9.9907, 13.9987,
6.0203

■ 17.5921, 17.5730,
21.9344

■ 9.1896, 13.6148,
4.6668

■ 19.3705, 18.4006,
26.0482

■ 8.5064, 13.2849,
3.6292

■ 21.3065, 19.2994,
30.6201

■ 7.9344, 13.0060,
2.8819

■ 23.4041, 20.2714,
35.6636

■ 7.4658, 12.7747,
2.3950

■ 25.6672, 21.3180,
41.1916

■ 7.0825, 12.5842,
2.0557

■ 28.0994, 22.4410,
47.2167

■ 30.7043, 23.6420,
53.7508

Harmonies

Analogous

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



14.2330, 15.4993, 10.9236



13.1612, 15.4993, 12.1955



12.5326, 15.4993, 14.8017

Triad

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



13.1612, 15.4993, 12.1955



13.9883, 15.4993, 24.4250



17.2487, 15.4993, 15.4725

Complementary

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



13.1612, 15.4993, 12.1955



12.6046, 11.7007, 17.5145

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.



17.1739, 15.4993, 19.1357



13.1612, 15.4993, 12.1955



15.2418, 15.4993, 24.6731

Square

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



13.1612, 15.4993, 12.1955



12.9909, 15.4993, 21.9872



16.4222, 15.4993, 22.6230



16.6212, 15.4993, 12.6256

Rectangle

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



13.1612, 15.4993, 12.1955



12.4263, 15.4993, 17.1131



16.4222, 15.4993, 22.6230



17.3058, 15.4993, 16.6413

Sweetspot

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



13.1616, 15.5000, 12.1958



26.4773, 28.8082, 28.6011



13.8596, 14.3958, 11.9459



6.0964, 6.6497, 6.5556



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



13.1616, 15.5000, 12.1958



22.1688, 26.7852, 19.4491



12.3212, 15.0551, 12.6825



3.4571, 3.8210, 3.6286



7.8658, 13.9987, 2.2874



38.2743, 69.2651, 11.3522

Inverse Universe

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



12.6046, 11.7007, 17.5145



21.0096, 18.8819, 30.5127



13.5890, 12.2232, 16.8856



3.3941, 3.3915, 4.2299



6.1254, 2.7672, 17.9329



29.5254, 13.2753, 89.2854

Previews

White Background



This preview shows how the XYZ color 13.1612, 15.4993, 12.1955 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 13.1612, 15.4993, 12.1955 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

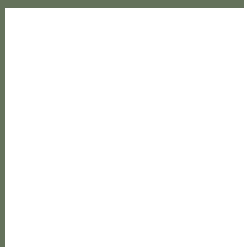
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.1612, 15.4993, 12.1955

Background



This preview shows how black text looks on a background with the XYZ color 13.1612, 15.4993, 12.1955.

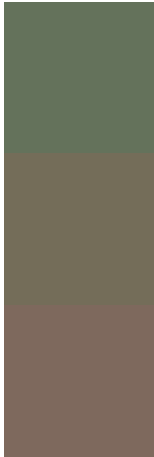


This preview shows how white text looks on a background with the XYZ color 13.1612, 15.4993,

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

13.1612, 15.4993, 12.1955

Protanopia

14.4743, 15.3716, 11.6553

Deuteranopia

15.6315, 15.3291, 12.4909



Tritanopia

14.6146, 15.4268, 19.6602

Trichromacy



Original Color

13.1612, 15.4993, 12.1955

Protanomaly

13.9603, 15.4221, 11.9138

Deuteranomaly

14.6304, 15.2797, 12.3034

Tritanomaly

14.0383, 15.3566, 16.6922

Monochromacy



Original Color

13.1612, 15.4993, 12.1955

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

13.6338, 15.0345, 14.4953

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.1612, 15.4993, 12.1955 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(100, 114, 91)` looks like.

```
.text, #text, p{  
    color:rgb(100, 114, 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(100, 114, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 114, 91) }
```

Border

The CSS property to change the border of an element to XYZ 13.1612, 15.4993, 12.1955 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(100, 114, 91) }
```


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

```
.border{ border-color:rgb(100, 114, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 114, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 114, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 114, 91);  
box-shadow:4px 4px 4px 4px rgb(100, 114,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 13.1612, 15.4993, 12.1955 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 114, 91) }
```

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

```
.background{ background-color: rgb(100,  
114, 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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