

Converting Colors

XYZ(13.1692, 15.2829, 18.5450)

Have a look what the booklet for
XYZ(13.1692, 15.2829, 18.5450)
contains.

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Color

**XYZ(13.2316, 15.3963,
18.4941)**

Conversions

Conversions Part 1

Format	Color
Hex	597273
RGB	89, 114, 115
RGB Percent	35%, 45%, 45%
CMY	0.6510, 0.5529, 0.5490
CMYK	0.23, 0.01, 0.00, 0.55
HSL	182°, 13%, 40%
HSV	182°, 23%, 45%
XYZ	13.2316, 15.3963, 18.4941
YIQ	106.6390, -15.2210, -4.9890

Conversions

Conversions Part 2

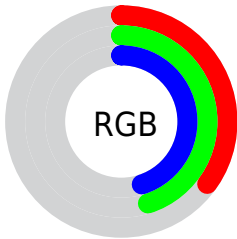
Format	Color
R_{YB}	89, 102, 115
Decimal	5862003
CIE _{Lab}	46.17, -8.85, -3.57
CIE _{LCh}	46, 9.540, 201.960
Yxy	15.3963, 0.2808, 0.3267
Android (android.graphics.Color)	4284052083 (0xFF597273)
YUV	106.6390, 4.1220, -15.4694
Hunter-Lab	39.2381, -8.4742, -0.4785

Details

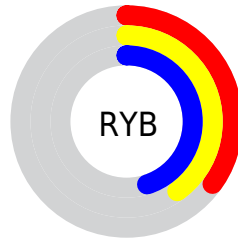
The XYZ color **13.2316, 15.3963, 18.4941** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.5296, 11.6783, 11.0450**, and the grayscale version is **13.8676, 14.5898, 15.8883**.

A 20% lighter version of the original color is **31.4265, 35.6379, 41.7817**, and **3.9162, 4.7939, 6.0291** is the 20% darker color. If you saturate the color by 10%, you get **12.1636, 14.7724, 18.4302**, and if you desaturate by 10%, it is **14.4732, 16.1109, 18.5668**.

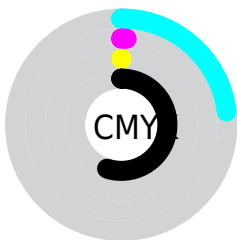
Distribution



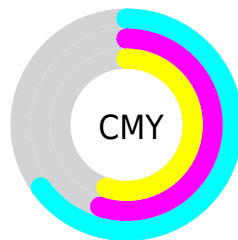
- Red (35%)
- Green (45%)
- Blue (45%)



- Red (35%)
- Yellow (40%)
- Blue (45%)



- Cyan (23%)
- Magenta (1%)
- Yellow (0%)
- Black (55%)



- Cyan (65%)
- Magenta (55%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.2316, 15.3963, 18.4941 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 13.2316, 15.3963, 18.4941 by changing the saturation by 10% instead.

■ 13.2316, 15.3963,
18.4941

■ 13.2316, 15.3963,
18.4941

206.0044,
225.7525, 255.9705

■ 7.6663, 9.0980,
11.1322

■ 31.3170, 35.5469,
41.7027

■ 3.9322, 4.8052,
6.0405

■ 44.5679, 50.1680,
58.3865

■ 1.6638, 2.1334,
2.8006

■ 61.1113, 68.3322,
79.0147

■ 0.4335, 0.6833,
0.9937

■ 81.3127, 90.4238,
104.0059

■ 0.0000, 0.0000,
0.0000

■ 105.5373,
116.8272, 133.7785

134.1505,

147.9269, 168.7511

167.5178,
184.1072, 209.3422

■ 13.2316, 15.3963,
18.4941

■ 13.2316, 15.3963,
18.4941

■ 12.1636, 14.7724,
18.4302

■ 14.4732, 16.1109,
18.5668

■ 11.2598, 14.2330,
18.3737

■ 15.8945, 16.9180,
18.6477

■ 10.5121, 13.7746,
18.3247

■ 17.5029, 17.8221,
18.7374

■ 9.9111, 13.3920,
18.2825

■ 19.3052, 18.8263,
18.8363

■ 9.4464, 13.0801,
18.2468

■ 21.3075, 19.9342,
18.9446

■ 9.1061, 12.8327,
18.2170

■ 23.5161, 21.1486,
19.0626

■ 8.8758, 12.6423,
18.1924

■ 25.9367, 22.4728,
19.1906

■ 8.7339, 12.5165,
18.1755

■ 28.5747, 23.9093,
19.3289

■ 31.4356, 25.4612,
19.4776

Harmonies

Analogous

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



13.1401, 15.3963, 16.1457



13.2316, 15.3963, 18.4941



13.6917, 15.3963, 20.5419

Triad

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



13.2316, 15.3963, 18.4941



15.8994, 15.3963, 19.6760



14.8534, 15.3963, 12.7112

Complementary

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



13.2316, 15.3963, 18.4941



12.5296, 11.6783, 11.0450

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.



15.6180, 15.3963, 13.4801



13.2316, 15.3963, 18.4941



16.2364, 15.3963, 17.3978

Square

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



13.2316, 15.3963, 18.4941



15.2260, 15.3963, 21.2671



16.1316, 15.3963, 15.1452



14.0570, 15.3963, 12.9460

Rectangle

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



13.2316, 15.3963, 18.4941



14.1551, 15.3963, 21.3901



16.1316, 15.3963, 15.1452



15.1231, 15.3963, 12.8581

Sweetspot

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



13.2320, 15.3969, 18.4944



27.2565, 29.6122, 33.3237



12.0905, 15.1215, 11.9247



6.4780, 7.0505, 7.9484



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



13.2320, 15.3969, 18.4944



22.6805, 26.9808, 33.0569



11.8811, 12.6951, 18.0441



3.7719, 4.1323, 4.6891



9.9809, 14.3015, 20.7770



48.4896, 69.3959, 101.1994

Inverse Universe

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



13.6802, 12.0047, 17.5165



23.6342, 19.8081, 30.9656



13.7106, 14.0403, 11.4387



3.8209, 3.7556, 4.5834



11.3350, 5.4677, 17.5043



55.1621, 26.6149, 84.9058

Previews

White Background



This preview shows how the XYZ color 13.2316, 15.3963, 18.4941 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 13.2316, 15.3963, 18.4941 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

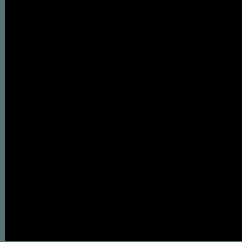
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

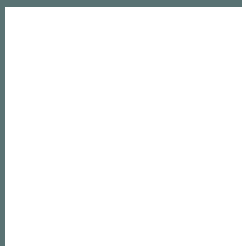
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.2316, 15.3963, 18.4941

Background



This preview shows how black text looks on a background with the XYZ color 13.2316, 15.3963, 18.4941.



This preview shows how white text looks on a background with the XYZ color 13.2316, 15.3963,

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

13.2316, 15.3963, 18.4941

Protanopia

14.8237, 15.4221, 17.5247

Deuteranopia

15.5674, 15.3054, 18.9634



Tritanopia

13.6344, 15.3891, 20.6641

Trichromacy



Original Color

13.2316, 15.3963, 18.4941

Protanomaly

14.1446, 15.3859, 17.8471

Deuteranomaly

14.5649, 15.2624, 18.7013

Tritanomaly

13.4513, 15.3158, 19.7001

Monochromacy



Original Color

13.2316, 15.3963, 18.4941

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

13.6459, 14.9870, 16.9254

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.2316, 15.3963, 18.4941 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(89, 114, 115) looks like.

```
.text, #text, p{  
    color:rgb(89, 114, 115)  
}
```

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(89, 114, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 114, 115) }
```

Border

The CSS property to change the border of an element to XYZ 13.2316, 15.3963, 18.4941 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(89, 114, 115) }
```


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

```
.border{ border-color:rgb(89, 114, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 114, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 114, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 114, 115);  
box-shadow:4px 4px 4px 4px rgb(89, 114,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 13.2316, 15.3963, 18.4941 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 114, 115) }
```

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

```
.background{ background-color: rgb(89, 114,  
115) }
```

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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