

Converting Colors

XYZ(13.2003, 13.6476, 18.1582)

Have a look what the booklet for
XYZ(13.2003, 13.6476, 18.1582)
contains.

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Color

**XYZ(13.2003, 13.6476,
18.1582)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | 646773 |
| RGB | 100, 103, 115 |
| RGB Percent | 39%, 40%, 45% |
| CMY | 0.6078, 0.5961, 0.5490 |
| CMYK | 0.13, 0.10, 0.00, 0.55 |
| HSL | 228°, 7%, 42% |
| HSV | 228°, 13%, 45% |
| XYZ | 13.2003, 13.6476, 18.1582 |
| YIQ | 103.4710, -5.6400, 3.0960 |

Conversions

Conversions Part 2

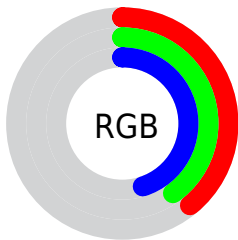
| Format | Color |
|-------------------------------------|------------------------------|
| R_{YB} | 100, 103, 115 |
| Decimal | 6580083 |
| CIE _{Lab} | 43.72, 1.50, -7.12 |
| CIE _{LCh} | 44, 7.273, 281.934 |
| Yxy | 13.6476, 0.2933, 0.3032 |
| Android (android.graphics.Color) | 4284770163 (0xFF646773) |
| YUV | 103.4710, 5.6838, -3.0441 |
| Hunter-Lab | 36.9427, -0.8683, -3.2826 |

Details

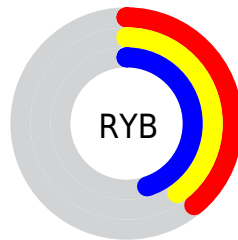
The XYZ color **13.2003, 13.6476, 18.1582** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.1648, 16.1533, 14.3756**, and the grayscale version is **13.0038, 13.6810, 14.8986**.

A 20% lighter version of the original color is **31.2932, 32.4805, 41.1793**, and **3.8955, 3.9905, 5.8751** is the 20% darker color. If you saturate the color by 10%, you get **11.1519, 11.3075, 17.8147**, and if you desaturate by 10%, it is **15.5298, 16.2828, 18.5443**.

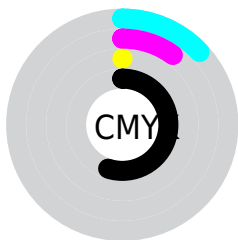
Distribution



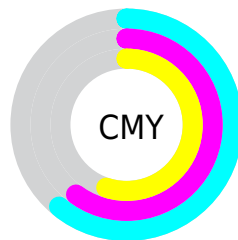
- Red (39%)
- Green (40%)
- Blue (45%)



- Red (39%)
- Yellow (40%)
- Blue (45%)



- Cyan (13%)
- Magenta (10%)
- Yellow (0%)
- Black (55%)



- Cyan (61%)
- Magenta (60%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.2003, 13.6476, 18.1582 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 13.2003, 13.6476, 18.1582 by changing the saturation by 10% instead.

■ 13.2003, 13.6476,
18.1582

■ 13.2003, 13.6476,
18.1582

205.8092,
215.0274, 254.0272

■ 7.6446, 7.8760,
10.8930

■ 31.2614, 32.4624,
41.1243

■ 3.9182, 4.0157,
5.8817

■ 44.4975, 46.2744,
57.6623

■ 1.6560, 1.6823,
2.7056

■ 61.0245, 63.5353,
78.1282

■ 0.4285, 0.4122,
0.9463

■ 81.2076, 84.6295,
102.9408

■ 0.0000, 0.0000,
0.0000

105.4123,
109.9415, 132.5184

134.0039,

139.8555, 167.2797

167.3477,
174.7560, 207.6431

■ 13.2003, 13.6476,
18.1582

■ 13.2003, 13.6476,
18.1582

■ 11.1519, 11.3075,
17.8147

■ 15.5298, 16.2828,
18.5443

■ 9.3726, 9.2504,
17.5114

■ 18.1493, 19.2212,
18.9734

■ 7.8515, 7.4660,
17.2472

■ 21.0689, 22.4728,
19.4471

■ 6.5762, 5.9426,
17.0203

■ 24.2977, 26.0465,
19.9668

■ 5.5334, 4.6675,
16.8292

■ 27.8445, 29.9509,
20.5334

■ 4.7087, 3.6273,
16.6719

■ 31.7178, 34.1943,
21.1484

■ 4.0857, 2.8068,
16.5463

■ 35.9256, 38.7846,
21.8126

■ 3.6441, 2.1883,
16.4502

■ 40.4758, 43.7296,
22.5272

■ 3.4011, 1.8509,
16.3979

■ 45.3760, 49.0367,
23.2934

Harmonies

Analogous

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



12.6337, 13.6476, 18.0587



13.2003, 13.6476, 18.1582



13.7203, 13.6476, 17.3274

Triad

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



13.2003, 13.6476, 18.1582



13.8068, 13.6476, 12.8536



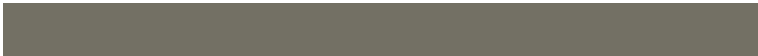
11.9543, 13.6476, 13.9047

Complementary

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



13.2003, 13.6476, 18.1582



15.1648, 16.1533, 14.3756

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.



12.2507, 13.6476, 12.6386



13.2003, 13.6476, 18.1582



13.3156, 13.6476, 12.0631

Square

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



13.2003, 13.6476, 18.1582



14.0773, 13.6476, 14.2183



12.7456, 13.6476, 11.9874



11.9255, 13.6476, 15.5205

Rectangle

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



13.2003, 13.6476, 18.1582



13.9661, 13.6476, 16.3911



12.7456, 13.6476, 11.9874



12.0255, 13.6476, 13.4272

Sweetspot

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



13.2007, 13.6482, 18.1585



27.3414, 28.6305, 33.1297



14.2973, 16.1354, 17.6175



6.4566, 6.7557, 7.8927



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.



13.2007, 13.6482, 18.1585



22.3438, 22.9657, 32.2997



13.3900, 13.3105, 18.0834



3.5545, 3.6977, 4.6166



3.8745, 2.0887, 18.7415



18.3801, 9.1768, 91.1629

Inverse Universe

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



14.0759, 13.7388, 14.7425



24.2798, 23.1893, 24.7381



14.9554, 16.5451, 14.4622



3.7112, 3.7117, 4.0057



8.2528, 4.2348, 1.2735



39.9642, 20.5358, 4.8748

Previews

White Background



This preview shows how the XYZ color 13.2003, 13.6476, 18.1582 looks on a white background.

Color Contrast Check

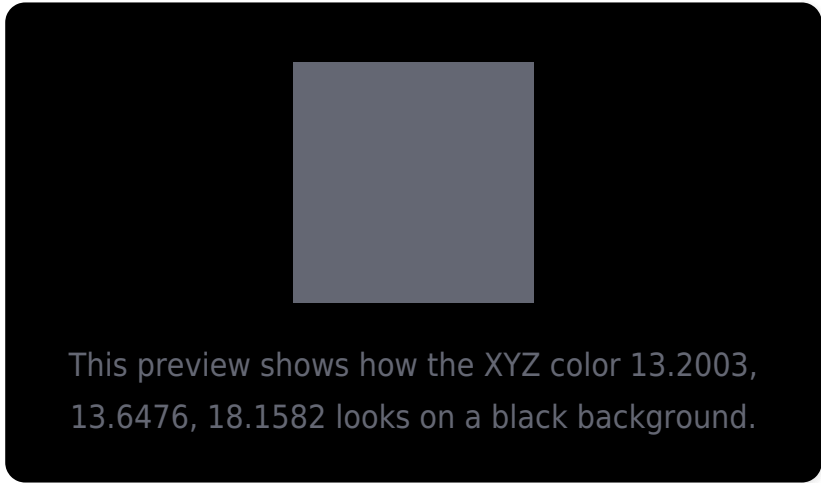
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

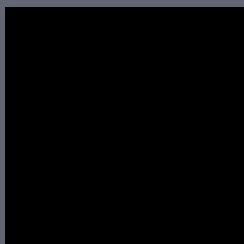
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

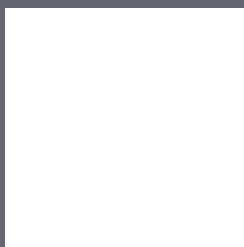
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.2003, 13.6476, 18.1582

Background



This preview shows how black text looks on a background with the XYZ color 13.2003, 13.6476, 18.1582.

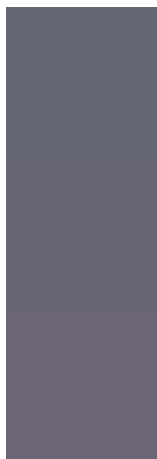


This preview shows how white text looks on a background with the XYZ color 13.2003, 13.6476,

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

13.2003, 13.6476, 18.1582

Protanopia

13.4242, 13.7631, 18.1687

Deuteranopia

13.9904, 13.7565, 18.4409



Tritanopia

13.0205, 13.7231, 17.2918

Trichromacy



Original Color

13.2003, 13.6476, 18.1582

Protanomaly

13.3116, 13.7050, 18.1634

Deuteranomaly

13.7295, 13.7670, 18.4567

Tritanomaly

13.0765, 13.7455, 17.5867

Monochromacy



Original Color

13.2003, 13.6476, 18.1582

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.9836, 13.5868, 15.8481

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.2003, 13.6476, 18.1582 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, 103, 115)` looks like.

```
.text, #text, p{  
    color:rgb(100, 103, 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(100, 103, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 103, 115) }
```

Border

The CSS property to change the border of an element to XYZ 13.2003, 13.6476, 18.1582 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, 103, 115) }
```


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

```
.border{ border-color:rgb(100, 103, 115) }
```

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

Here you see how a box with a 4 pixel rgb(100, 103, 115) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 103, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 103, 115);  
box-shadow:4px 4px 4px 4px rgb(100, 103,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 13.2003, 13.6476, 18.1582 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 103, 115) }
```

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

```
.background{ background-color: rgb(100,  
103, 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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