

Converting Colors

XYZ(13.0921, 13.6134, 17.5606)

Have a look what the booklet for
XYZ(13.0921, 13.6134, 17.5606)
contains.

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Color

**XYZ(13.0864, 13.6021,
17.5585)**

Conversions

Conversions Part 1

Format	Color
Hex	646771
RGB	100, 103, 113
RGB Percent	39%, 40%, 44%
CMY	0.6078, 0.5961, 0.5569
CMYK	0.12, 0.09, 0.00, 0.56
HSL	226°, 6%, 42%
HSV	226°, 12%, 44%
XYZ	13.0864, 13.6021, 17.5585
YIQ	103.2430, -4.9980, 2.4740

Conversions

Conversions Part 2

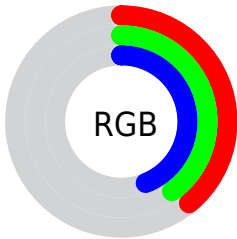
Format	Color
R_{YB}	100, 102, 113
Decimal	6580081
CIE Lab	43.66, 1.04, -6.00
CIE LCh	44, 6.094, 279.858
Yxy	13.6021, 0.2958, 0.3074
Android (android.graphics.Color)	4284770161 (0xFF646771)
YUV	103.2430, 4.8102, -2.8441
Hunter-Lab	36.8810, -1.2051, -2.4104

Details

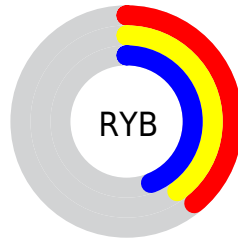
The XYZ color **13.0864, 13.6021, 17.5585** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **14.6862, 15.5824, 14.2905**, and the grayscale version is **12.9454, 13.6196, 14.8317**.

A 20% lighter version of the original color is **31.1096, 32.4071, 40.2129**, and **3.8365, 3.9669, 5.5645** is the 20% darker color. If you saturate the color by 10%, you get **11.1023, 11.3624, 17.2310**, and if you desaturate by 10%, it is **15.3345, 16.1121, 17.9247**.

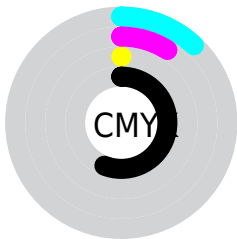
Distribution



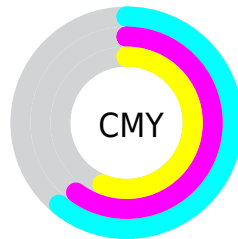
- Red (39%)
- Green (40%)
- Blue (44%)



- Red (39%)
- Yellow (40%)
- Blue (44%)



- Cyan (12%)
- Magenta (9%)
- Yellow (0%)
- Black (56%)



- Cyan (61%)
- Magenta (60%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.0864, 13.6021, 17.5585 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 13.0864, 13.6021, 17.5585 by changing the saturation by 10% instead.

■ 13.0864, 13.6021,
17.5585

■ 13.0864, 13.6021,
17.5585

205.0971,
214.7412, 250.5226

■ 7.5655, 7.8444,
10.4673

■ 31.0589, 32.3813,
40.0873

■ 3.8676, 3.9956,
5.6003

■ 44.2412, 46.1717,
56.3620

■ 1.6275, 1.6711,
2.5388

■ 60.7080, 63.4084,
76.5350

■ 0.4102, 0.4048,
0.8606

■ 80.8247, 84.4759,
101.0247

■ 0.0000, 0.0000,
0.0000

104.9566,
109.7585, 130.2498

133.4690,

139.6407, 164.6288

166.7274,
174.5068, 204.5802

■ 13.0864, 13.6021,
17.5585

■ 13.0864, 13.6021,
17.5585

■ 11.1023, 11.3624,
17.2310

■ 15.3345, 16.1121,
17.9247

■ 9.3713, 9.3820,
16.9400

■ 17.8548, 18.8993,
18.3299

■ 7.8833, 7.6521,
16.6845

■ 20.6565, 21.9727,
18.7754

■ 6.6270, 6.1622,
16.4631

■ 23.7480, 25.3400,
19.2624

■ 5.5904, 4.9015,
16.2744

■ 27.1375, 29.0089,
19.7920

■ 4.7602, 3.8579,
16.1167

■ 30.8326, 32.9868,
20.3650

■ 4.1218, 3.0185,
15.9884

■ 34.8408, 37.2807,
20.9826

■ 3.6580, 2.3686,
15.8874

■ 39.1694, 41.8975,
21.6456

■ 3.3522, 1.9352,
15.8198

■ 43.8254, 46.8439,
22.3549

Harmonies

Analogous

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



12.6144, 13.6021, 17.4220



13.0864, 13.6021, 17.5585



13.5265, 13.6021, 16.9246

Triad

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



13.0864, 13.6021, 17.5585



13.6469, 13.6021, 13.1864



12.0844, 13.6021, 13.9222

Complementary

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



13.0864, 13.6021, 17.5585



14.6862, 15.5824, 14.2905

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.



12.3482, 13.6021, 12.8800



13.0864, 13.6021, 17.5585



13.2475, 13.6021, 12.4737

Square

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



13.0864, 13.6021, 17.5585



13.8554, 13.6021, 14.3642



12.7717, 13.6021, 12.3651



12.0437, 13.6021, 15.2657

Rectangle

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



13.0864, 13.6021, 17.5585



13.7397, 13.6021, 16.1721



12.7717, 13.6021, 12.3651



12.1496, 13.6021, 13.5273

Sweetspot

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



13.0868, 13.6027, 17.5588



26.7927, 28.1105, 31.9892



13.9735, 15.6448, 17.0258



6.1287, 6.4259, 7.3870



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.



13.0868, 13.6027, 17.5588



22.3666, 23.1578, 31.2665



13.1852, 13.2180, 17.4794



3.2744, 3.4140, 4.2406



3.7887, 2.1676, 17.9403



18.3116, 9.6750, 89.1815

Inverse Universe

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



13.8157, 13.6046, 14.7305



23.9723, 23.1808, 25.0318



14.5781, 16.0157, 14.3798



3.4132, 3.4130, 3.7024



7.9307, 4.0646, 1.4449



39.2228, 20.1344, 5.7054

Previews

White Background



This preview shows how the XYZ color 13.0864, 13.6021, 17.5585 looks on a white background.

Color Contrast Check

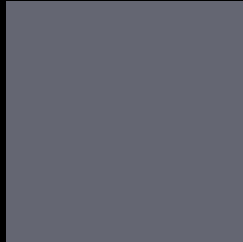
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.0864, 13.6021, 17.5585 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

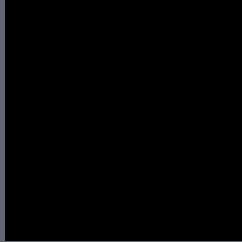
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

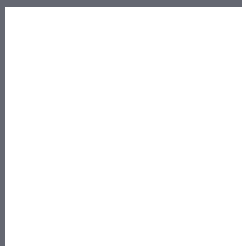
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.0864, 13.6021, 17.5585

Background



This preview shows how black text looks on a background with the XYZ color 13.0864, 13.6021, 17.5585.



This preview shows how white text looks on a background with the XYZ color 13.0864, 13.6021,

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

13.0864, 13.6021, 17.5585

Protanopia

13.2115, 13.5198, 17.5360

Deuteranopia

13.7788, 13.5174, 17.8025



Tritanopia

12.9750, 13.5575, 16.9719

Trichromacy



Original Color

13.0864, 13.6021, 17.5585

Protanomaly

13.0988, 13.4617, 17.5308

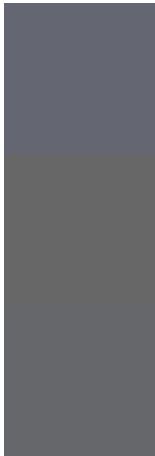
Deuteranomaly

13.5166, 13.5255, 17.8179

Tritanomaly

13.0304, 13.5797, 17.2636

Monochromacy



Original Color

13.0864, 13.6021, 17.5585

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 13.0864, 13.6021, 17.5585 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, 113)` looks like.

```
.text, #text, p{  
    color:rgb(100, 103, 113)  
}
```

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, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 103, 113) }
```

Border

The CSS property to change the border of an element to XYZ 13.0864, 13.6021, 17.5585 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, 113) }
```


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

```
.border{ border-color:rgb(100, 103, 113) }
```

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, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 103, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 103, 113);  
box-shadow:4px 4px 4px 4px rgb(100, 103,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 13.0864, 13.6021, 17.5585 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, 113) }
```

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

```
.background{ background-color: rgb(100,  
103, 113) }
```

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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