

Converting Colors

XYZ(13.6128, 16.3435, 26.2540)

Have a look what the booklet for
XYZ(13.6128, 16.3435, 26.2540)
contains.

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Color

**XYZ(13.5664, 16.2650,
26.0913)**

Conversions

Conversions Part 1

Format	Color
Hex	457789
RGB	69, 119, 137
RGB Percent	27%, 47%, 54%
CMY	0.7294, 0.5333, 0.4627
CMYK	0.50, 0.13, 0.00, 0.46
HSL	196°, 33%, 40%
HSV	196°, 50%, 54%
XYZ	13.5664, 16.2650, 26.0913
YIQ	106.1020, -35.5780, -5.0020

Conversions

Conversions Part 2

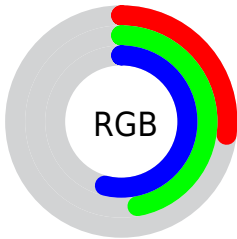
Format	Color
RYB	69, 98, 137
Decimal	4552585
CIELab	47.32, -11.63, -15.05
CIElCh	47, 19.021, 232.312
Yxy	16.2650, 0.2426, 0.2908
Android (android.graphics.Color)	4282742665 (0xFF457789)
YUV	106.1020, 15.2327, -32.5385
Hunter-Lab	40.3299, -10.5325, -10.1266

Details

The XYZ color **13.5664, 16.2650, 26.0913** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **14.7992, 12.5647, 7.2759**, and the grayscale version is **13.6945, 14.4077, 15.6900**.

A 20% lighter version of the original color is **31.8832, 36.9811, 54.1728**, and **4.0987, 5.2591, 9.8159** is the 20% darker color. If you saturate the color by 10%, you get **12.2813, 14.9743, 25.9102**, and if you desaturate by 10%, it is **15.0935, 17.7056, 26.2892**.

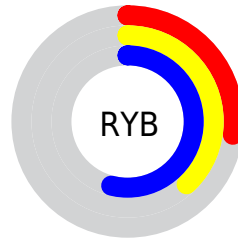
Distribution



Red (27%)

Green (47%)

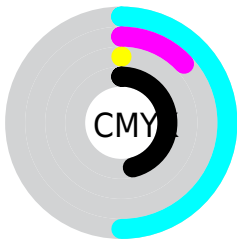
Blue (54%)



Red (27%)

Yellow (38%)

Blue (54%)

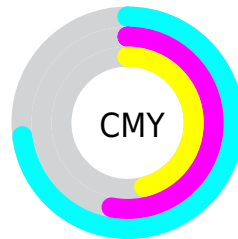


Cyan (50%)

Magenta (13%)

Yellow (0%)

Black (46%)



Cyan (73%)

Magenta (53%)

Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.5664, 16.2650, 26.0913 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 13.5664, 16.2650, 26.0913 by changing the saturation by 10% instead.

■ 13.5664, 16.2650,
26.0913

■ 13.5664, 16.2650,
26.0913

208.0815,
230.9004, 296.8497

■ 7.8994, 9.7119,
16.6656

■ 31.9104, 37.0576,
54.4081

■ 4.0819, 5.2083,
9.8369

■ 45.3181, 52.0660,
74.1362

■ 1.7486, 2.3700,
5.1868

■ 62.0367, 70.6614,
98.1356

■ 0.4864, 0.8104,
2.2966

■ 82.4317, 93.2285,
126.8247

■ 0.0000, 0.0000,
0.7293

■ 106.8683,
120.1515, 160.6222

■ 0.0000, 0.0000,
0.0000

135.7119,

151.8149, 199.9465

169.3278,
188.6031, 245.2161

■ 13.5664, 16.2650,
26.0913

■ 13.5664, 16.2650,
26.0913

■ 12.2813, 14.9743,
25.9102

■ 15.0935, 17.7056,
26.2892

■ 11.2206, 13.8232,
25.7439

■ 16.8752, 19.3018,
26.5034

■ 10.3672, 12.8028,
25.5919

■ 18.9254, 21.0614,
26.7349

■ 9.7001, 11.9021,
25.4532

■ 21.2563, 22.9909,
26.9845

■ 9.1628, 11.0916,
25.3251

■ 23.8793, 25.0965,
27.2527

■ 9.1436, 11.0626,
25.3205

■ 26.8052, 27.3840,
27.5400

■ 30.0442, 29.8589,
27.8470

■ 33.6061, 32.5264,
28.1742

■ 37.5002, 35.3917,
28.5220

Harmonies

Analogous

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



12.6579, 16.2650, 21.4616



13.5664, 16.2650, 26.0913



15.0310, 16.2650, 28.5581

Triad

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



13.5664, 16.2650, 26.0913



18.8887, 16.2650, 18.9773



14.2645, 16.2650, 10.4525

Complementary

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



13.5664, 16.2650, 26.0913



14.7992, 12.5647, 7.2759

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.



15.8958, 16.2650, 10.0292



13.5664, 16.2650, 26.0913



18.6464, 16.2650, 14.4229

Square

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



13.5664, 16.2650, 26.0913



18.1608, 16.2650, 23.9931



17.5208, 16.2650, 11.3482



13.0401, 16.2650, 12.6321

Rectangle

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



13.5664, 16.2650, 26.0913



16.1589, 16.2650, 28.3802



17.5208, 16.2650, 11.3482



14.7804, 16.2650, 10.1183

Sweetspot

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



13.5669, 16.2656, 26.0917



35.6247, 39.1654, 48.0652



13.0800, 19.8287, 11.9425



7.8237, 8.6458, 10.7628



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



13.5669, 16.2656, 26.0917



21.6447, 26.4503, 46.3478



10.2978, 9.7274, 25.0020



5.0627, 5.4684, 6.3945



8.5272, 10.3248, 23.5891



0.0686, 0.0926, 0.1607

Inverse Universe

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



15.7748, 10.9070, 18.7272



26.2710, 16.2886, 30.6775



18.1075, 19.1814, 8.3787



5.1783, 5.1068, 6.0273



11.7910, 5.8265, 11.9355



0.0844, 0.0411, 0.1112

Previews

White Background



This preview shows how the XYZ color 13.5664, 16.2650, 26.0913 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 13.5664, 16.2650, 26.0913 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

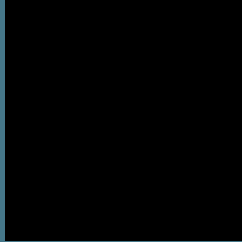
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.5664, 16.2650, 26.0913

Background



This preview shows how black text looks on a background with the XYZ color 13.5664, 16.2650, 26.0913.

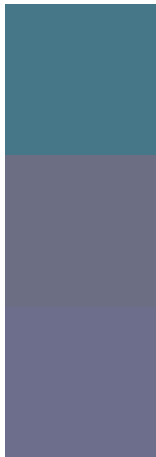


This preview shows how white text looks on a background with the XYZ color 13.5664, 16.2650,

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

13.5664, 16.2650, 26.0913

Protanopia

15.9655, 16.1957, 23.7573

Deuteranopia

16.5428, 16.2672, 26.6941



Tritanopia

13.0605, 16.2379, 23.5650

Trichromacy



Original Color

13.5664, 16.2650, 26.0913

Protanomaly

14.8670, 16.1078, 24.5158

Deuteranomaly

15.1087, 16.0249, 26.3416

Tritanomaly

13.3340, 16.3553, 24.6444

Monochromacy



Original Color

13.5664, 16.2650, 26.0913

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

13.4095, 14.9804, 19.0144

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.5664, 16.2650, 26.0913 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(69, 119, 137)` looks like.

```
.text, #text, p{  
    color:rgb(69, 119, 137)  
}
```

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(69, 119, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 119, 137) }
```

Border

The CSS property to change the border of an element to XYZ 13.5664, 16.2650, 26.0913 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(69, 119, 137) }
```


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

```
.border{ border-color:rgb(69, 119, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 119, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 119, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 119, 137);  
box-shadow:4px 4px 4px 4px rgb(69, 119,  
137) }
```

Background

The CSS property to change the background color of an element to XYZ 13.5664, 16.2650, 26.0913 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 119, 137) }
```

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

```
.background{ background-color: rgb(69, 119,  
137) }
```

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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