

Converting Colors

XYZ(13.6556, 16.6725, 25.3350)

Have a look what the booklet for
XYZ(13.6556, 16.6725, 25.3350)
contains.

XYZ(13.6648, 16.6892, 25.4228)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(13.6648, 16.6892,
25.4228)**

Conversions

Conversions Part 1

Format	Color
Hex	457987
RGB	69, 121, 135
RGB Percent	27%, 47%, 53%
CMY	0.7294, 0.5255, 0.4706
CMYK	0.49, 0.10, 0.00, 0.47
HSL	193°, 32%, 40%
HSV	193°, 49%, 53%
XYZ	13.6648, 16.6892, 25.4228
YIQ	107.0480, -35.4860, -6.6700

Conversions

Conversions Part 2

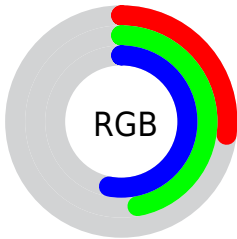
Format	Color
R_{YB}	69, 98, 135
Decimal	4553095
CIE _{Lab}	47.87, -13.35, -13.04
CIE _{LCh}	48, 18.663, 224.327
Yxy	16.6892, 0.2450, 0.2992
Android (android.graphics.Color)	4282743175 (0xFF457987)
YUV	107.0480, 13.7803, -33.3681
Hunter-Lab	40.8524, -11.7849, -8.3000

Details

The XYZ color **13.6648, 16.6892, 25.4228** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **14.1595, 11.7675, 7.1558**, and the grayscale version is **13.9589, 14.6859, 15.9929**.

A 20% lighter version of the original color is **32.0467, 37.6556, 53.1562**, and **4.0951, 5.3618, 9.4134** is the 20% darker color. If you saturate the color by 10%, you get **12.4712, 15.5653, 25.2691**, and if you desaturate by 10%, it is **15.0877, 17.9474, 25.5910**.

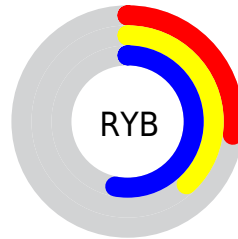
Distribution



Red (27%)

Green (47%)

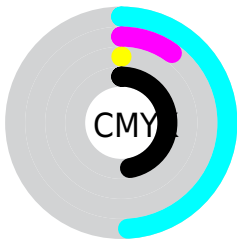
Blue (53%)



Red (27%)

Yellow (38%)

Blue (53%)

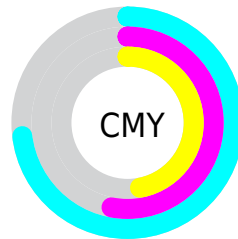


Cyan (49%)

Magenta (10%)

Yellow (0%)

Black (47%)



Cyan (73%)

Magenta (53%)

Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.6648, 16.6892, 25.4228 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 13.6648, 16.6892, 25.4228 by changing the saturation by 10% instead.

■ 13.6648, 16.6892,
25.4228

■ 13.6648, 16.6892,
25.4228

208.6881,
233.3749, 293.4518

■ 7.9680, 10.0131,
16.1705

■ 32.0843, 37.7906,
53.3149

■ 4.1261, 5.4077,
9.4892

■ 45.5378, 52.9848,
72.7917

■ 1.7737, 2.4884,
4.9605

■ 62.3076, 71.7871,
96.5138

■ 0.5018, 0.8708,
2.1658

■ 82.7590, 94.5820,
124.8997

■ 0.0000, 0.0000,
0.6545

■ 107.2574,
121.7538, 158.3679

■ 0.0000, 0.0000,
0.0000

136.1681,

153.6870, 197.3369

169.8566,
190.7659, 242.2254

■ 13.6648, 16.6892,
25.4228

■ 13.6648, 16.6892,
25.4228

■ 12.4712, 15.5653,
25.2691

■ 15.0877, 17.9474,
25.5910

■ 11.4903, 14.5658,
25.1279

■ 16.7519, 19.3451,
25.7730

■ 10.7057, 13.6826,
24.9987

■ 18.6706, 20.8896,
25.9700

■ 10.0975, 12.9054,
24.8808

■ 20.8554, 22.5870,
26.1825

■ 9.6169, 12.2087,
24.7716

■ 23.3172, 24.4431,
26.4110

■ 9.5650, 12.1328,
24.7597

■ 26.0664, 26.4633,
26.6560

■ 29.1127, 28.6527,
26.9181

■ 32.4653, 31.0162,
27.1976

■ 36.1332, 33.5586,
27.4950

Harmonies

Analogous

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



12.9375, 16.6892, 20.5554



13.6648, 16.6892, 25.4228



15.0069, 16.6892, 28.5985

Triad

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



13.6648, 16.6892, 25.4228



19.1760, 16.6892, 20.7837



15.0775, 16.6892, 10.6091

Complementary

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



13.6648, 16.6892, 25.4228



14.1595, 11.7675, 7.1558

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.



16.7502, 16.6892, 10.6483



13.6648, 16.6892, 25.4228



19.1983, 16.6892, 15.9798

Square

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



13.6648, 16.6892, 25.4228



18.2254, 16.6892, 25.6151



18.2842, 16.6892, 12.4499



13.7133, 16.6892, 12.3310

Rectangle

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



13.6648, 16.6892, 25.4228



16.1073, 16.6892, 29.0298



18.2842, 16.6892, 12.4499



15.6204, 16.6892, 10.4278

Sweetspot

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



13.6653, 16.6898, 25.4232



34.7687, 38.4563, 46.6387



12.6493, 19.2058, 11.0636



7.8906, 8.7796, 10.7851



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.



13.6653, 16.6898, 25.4232



22.0586, 27.6040, 45.2138



10.3837, 10.1266, 24.3293



4.7200, 5.1157, 5.9394



8.8298, 11.2074, 22.8346



0.0358, 0.0492, 0.0808

Inverse Universe

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



15.5714, 10.7881, 19.3514



26.0465, 16.2078, 32.2971



17.2198, 17.8882, 8.1760



4.8167, 4.7464, 5.6472



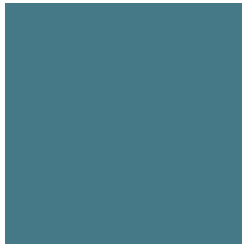
11.6350, 5.7183, 13.1821



0.0429, 0.0209, 0.0595

Previews

White Background



This preview shows how the XYZ color 13.6648, 16.6892, 25.4228 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 13.6648, 16.6892, 25.4228 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

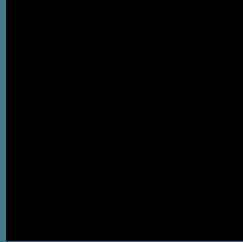
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.6648, 16.6892, 25.4228

Background



This preview shows how black text looks on a background with the XYZ color 13.6648, 16.6892, 25.4228.

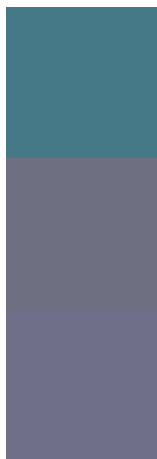


This preview shows how white text looks on a background with the XYZ color 13.6648, 16.6892,

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

13.6648, 16.6892, 25.4228

Protanopia

16.1870, 16.4883, 23.0983

Deuteranopia

16.8819, 16.6198, 25.9851



Tritanopia

13.4402, 16.7867, 24.0045

Trichromacy



Original Color

13.6648, 16.6892, 25.4228

Protanomaly

14.9468, 16.3331, 23.8375

Deuteranomaly

15.3985, 16.5258, 25.6708

Tritanomaly

13.5083, 16.8140, 24.3633

Monochromacy



Original Color

13.6648, 16.6892, 25.4228

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

13.5193, 15.1999, 19.0509

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.6648, 16.6892, 25.4228 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, 121, 135)` looks like.

```
.text, #text, p{  
    color:rgb(69, 121, 135)  
}
```

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, 121, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 121, 135) }
```

Border

The CSS property to change the border of an element to XYZ 13.6648, 16.6892, 25.4228 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, 121, 135) }
```


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

```
.border{ border-color:rgb(69, 121, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 121, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 121, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 121, 135);  
box-shadow:4px 4px 4px 4px rgb(69, 121,  
135) }
```

Background

The CSS property to change the background color of an element to XYZ 13.6648, 16.6892, 25.4228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 121, 135) }
```

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

```
.background{ background-color: rgb(69, 121,  
135) }
```

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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