

Converting Colors

XYZ(13.6178, 15.1000, 25.8638)

Have a look what the booklet for
XYZ(13.6178, 15.1000, 25.8638)
contains.

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Color

**XYZ(13.6178, 15.1000,
25.8638)**

Conversions

Conversions Part 1

Format	Color
Hex	507089
RGB	80, 112, 137
RGB Percent	31%, 44%, 54%
CMY	0.6863, 0.5608, 0.4627
CMYK	0.42, 0.18, 0.00, 0.46
HSL	206°, 26%, 43%
HSV	206°, 42%, 54%
XYZ	13.6178, 15.1000, 25.8638
YIQ	105.2820, -27.0970, 0.9910

Conversions

Conversions Part 2

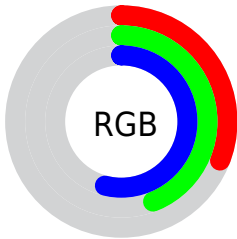
Format	Color
R_{YB}	80, 100, 137
Decimal	5271689
CIE _{Lab}	45.77, -4.62, -17.36
CIE _{LCh}	46, 17.966, 255.097
Yxy	15.1000, 0.2495, 0.2767
Android (android.graphics.Color)	4283461769 (0xFF507089)
YUV	105.2820, 15.6370, -22.1723
Hunter-Lab	38.8587, -5.4485, -12.2615

Details

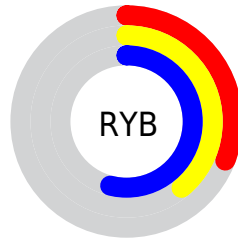
The XYZ color **13.6178, 15.1000, 25.8638** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **16.8164, 16.0010, 9.7920**, and the grayscale version is **13.4683, 14.1697, 15.4308**.

A 20% lighter version of the original color is **32.0854, 35.1742, 53.8134**, and **4.0891, 4.6309, 9.6952** is the 20% darker color. If you saturate the color by 10%, you get **11.9360, 13.2817, 25.6017**, and if you desaturate by 10%, it is **15.5807, 17.1296, 26.1524**.

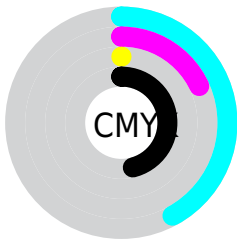
Distribution



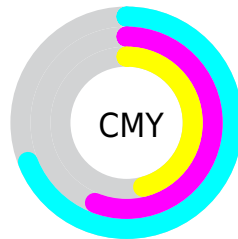
- Red (31%)
- Green (44%)
- Blue (54%)



- Red (31%)
- Yellow (39%)
- Blue (54%)



- Cyan (42%)
- Magenta (18%)
- Yellow (0%)
- Black (46%)



- Cyan (69%)
- Magenta (56%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.6178, 15.1000, 25.8638 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 13.6178, 15.1000, 25.8638 by changing the saturation by 10% instead.

■ 13.6178, 15.1000,
25.8638

■ 13.6178, 15.1000,
25.8638

208.3986,
223.9707, 295.6970

■ 7.9352, 8.8896,
16.4969

■ 32.0013, 35.0285,
54.0365

■ 4.1050, 4.6692,
9.7183

■ 45.4329, 49.5154,
73.6795

■ 1.7617, 2.0545,
5.1094

■ 62.1783, 67.5299,
97.5848

■ 0.4944, 0.6389,
2.2518

■ 82.6027, 89.4565,
126.1711

■ 0.0000, 0.0000,
0.7040

■ 107.0716,
115.6794, 159.8570

■ 0.0000, 0.0000,
0.0000

135.9503,

146.5832, 199.0609

169.6042,
182.5521, 244.2014

■ 13.6178, 15.1000,
25.8638

■ 13.6178, 15.1000,
25.8638

■ 11.9360, 13.2817,
25.6017

■ 15.5807, 17.1296,
26.1524

■ 10.5185, 11.6638,
25.3642

■ 17.8374, 19.3772,
26.4672

■ 9.3490, 10.2368,
25.1504

■ 20.4013, 21.8513,
26.8097

■ 8.4084, 8.9896,
24.9592

■ 23.2847, 24.5593,
27.1804

■ 7.6744, 7.9092,
24.7894

■ 26.4990, 27.5085,
27.5802

■ 7.1633, 7.1020,
24.6605

■ 30.0553, 30.7055,
28.0099

■ 33.9638, 34.1568,
28.4700

■ 38.2347, 37.8685,
28.9614

■ 42.8773, 41.8467,
29.4845

Harmonies

Analogous

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



12.3974, 15.1000, 23.0669



13.6178, 15.1000, 25.8638



15.1221, 15.1000, 25.8540

Triad

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



13.6178, 15.1000, 25.8638



17.3438, 15.1000, 14.3681



12.3911, 15.1000, 11.2395

Complementary

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



13.6178, 15.1000, 25.8638



16.8164, 16.0010, 9.7920

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.



13.6086, 15.1000, 9.6454



13.6178, 15.1000, 25.8638



16.5022, 15.1000, 11.2241

Square

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



13.6178, 15.1000, 25.8638



17.3467, 15.1000, 18.6754



15.1123, 15.1000, 9.6403



11.7237, 15.1000, 14.3929

Rectangle

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



13.6178, 15.1000, 25.8638



16.0881, 15.1000, 24.2317



15.1123, 15.1000, 9.6403



12.7457, 15.1000, 10.5301

Sweetspot

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



13.6183, 15.1006, 25.8642



36.2141, 38.8259, 47.9686



14.7887, 20.6109, 16.4832



8.0070, 8.5981, 10.7439



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.



13.6183, 15.1006, 25.8642



21.5144, 23.9394, 45.8700



10.9789, 9.8217, 24.9843



4.9923, 5.3274, 6.3710



6.6846, 6.6395, 22.9749



0.0590, 0.0733, 0.1575

Inverse Universe

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



16.1102, 12.2260, 16.8406



26.7546, 18.5852, 26.7401



20.1798, 22.7278, 10.9132



5.1427, 5.0925, 5.8400



10.8609, 5.4545, 7.0377



0.0795, 0.0392, 0.0856

Previews

White Background



This preview shows how the XYZ color 13.6178, 15.1000, 25.8638 looks on a white background.

Color Contrast Check

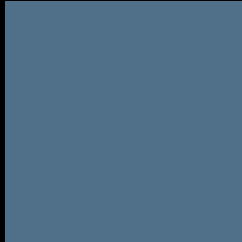
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.6178, 15.1000, 25.8638 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

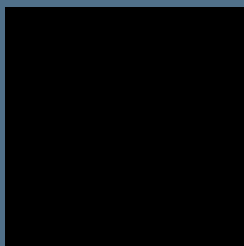
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

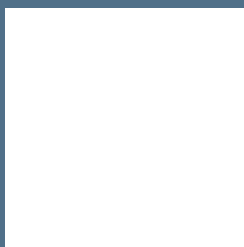
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.6178, 15.1000, 25.8638

Background



This preview shows how black text looks on a background with the XYZ color 13.6178, 15.1000, 25.8638.



This preview shows how white text looks on a background with the XYZ color 13.6178, 15.1000,

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

13.6178, 15.1000, 25.8638

Protanopia

14.9708, 15.0336, 24.3030

Deuteranopia

15.3350, 15.0266, 26.1369



Tritanopia

12.6359, 15.0264, 21.3032

Trichromacy



Original Color

13.6178, 15.1000, 25.8638

Protanomaly

14.3878, 15.0382, 24.6986

Deuteranomaly

14.6693, 14.9930, 26.1655

Tritanomaly

12.9281, 14.9730, 22.9776

Monochromacy



Original Color

13.6178, 15.1000, 25.8638

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

13.3973, 14.4963, 18.9216

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.6178, 15.1000, 25.8638 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(80, 112, 137)` looks like.

```
.text, #text, p{  
    color:rgb(80, 112, 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(80, 112, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 112, 137) }
```

Border

The CSS property to change the border of an element to XYZ 13.6178, 15.1000, 25.8638 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(80, 112, 137) }
```


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

```
.border{ border-color:rgb(80, 112, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 112, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 112, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 112, 137);  
box-shadow:4px 4px 4px 4px rgb(80, 112,  
137) }
```

Background

The CSS property to change the background color of an element to XYZ 13.6178, 15.1000, 25.8638 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 112, 137) }
```

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

```
.background{ background-color: rgb(80, 112,  
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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