

Converting Colors

XYZ(10.1838, 12.8918, 25.2403)

Have a look what the booklet for
XYZ(10.1838, 12.8918, 25.2403)
contains.

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Color

**XYZ(10.1620, 12.8435,
25.2360)**

Conversions

Conversions Part 1

Format	Color
Hex	126D88
RGB	18, 109, 136
RGB Percent	7%, 43%, 53%
CMY	0.9294, 0.5725, 0.4667
CMYK	0.87, 0.20, 0.00, 0.47
HSL	194°, 77%, 30%
HSV	194°, 87%, 53%
XYZ	10.1620, 12.8435, 25.2360
YIQ	84.8690, -62.9030, -10.8950

Conversions

Conversions Part 2

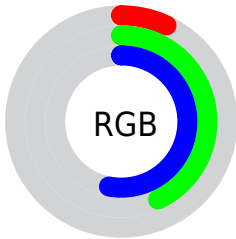
Format	Color
R_{YB}	18, 69, 136
Decimal	1207688
CIE _{Lab}	42.53, -14.96, -21.94
CIE _{LCh}	43, 26.558, 235.719
Yxy	12.8435, 0.2106, 0.2662
Android (android.graphics.Color)	4279397768 (0xFF126D88)
YUV	84.8690, 25.2076, -58.6441
Hunter-Lab	35.8378, -12.1016, -16.6639

Details

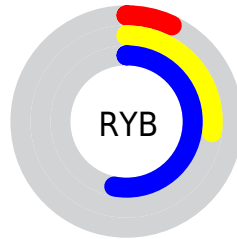
The XYZ color **10.1620, 12.8435, 25.2360** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **11.2014, 7.1553, 1.3634**, and the grayscale version is **8.5664, 9.0125, 9.8146**.

A 20% lighter version of the original color is **25.7679, 31.1423, 52.7971**, and **3.3485, 4.0094, 9.4015** is the 20% darker color. If you saturate the color by 10%, you get **9.6419, 12.0914, 25.1185**, and if you desaturate by 10%, it is **10.8343, 13.6919, 25.3646**.

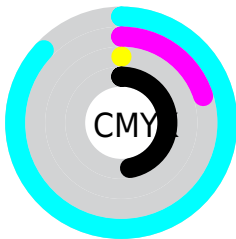
Distribution



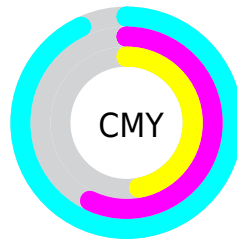
- Red (7%)
- Green (43%)
- Blue (53%)



- Red (7%)
- Yellow (27%)
- Blue (53%)



- Cyan (87%)
- Magenta (20%)
- Yellow (0%)
- Black (47%)



- Cyan (93%)
- Magenta (57%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.1620, 12.8435, 25.2360 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 10.1620, 12.8435, 25.2360 by changing the saturation by 10% instead.

■ 10.1620, 12.8435,
25.2360

■ 10.1620, 12.8435,
25.2360

185.8540,
209.9122, 292.4964

■ 5.5696, 7.3209,
16.0324

■ 25.7467, 31.0223,
53.0087

■ 2.6233, 3.6636,
9.3924

■ 37.4697, 44.4473,
72.4148

■ 0.9579, 1.4872,
4.8977

■ 52.3002, 61.2752,
96.0588

■ 0.0000, 0.2797,
2.1297

■ 70.6037, 81.8905,
124.3593

■ 0.0000, 0.0000,
0.6334

■ 92.7455, 106.6774,
157.7347

■ 0.0000, 0.0000,
0.0000

■ 119.0908,

136.0204, 196.6037

150.0052,
170.3039, 241.3848

■ 10.1620, 12.8435,
25.2360

■ 10.1620, 12.8435,
25.2360

■ 9.6419, 12.0914,
25.1185

■ 10.8343, 13.6919,
25.3646

■ 9.4835, 11.8565,
25.0815

■ 11.6919, 14.6533,
25.5049

■ 12.7546, 15.7381,
25.6583

■ 14.0392, 16.9554,
25.8256

■ 15.5608, 18.3129,
26.0074

■ 17.3330, 19.8180,
26.2045

■ 19.3685, 21.4772,
26.4175

■ 21.6789, 23.2969,
26.6469

■ 24.2753, 25.2827,
26.8934

Harmonies

Analogous

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



9.0529, 12.8435, 19.3442



10.1620, 12.8435, 25.2360



11.9218, 12.8435, 28.1381

Triad

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



10.1620, 12.8435, 25.2360



16.4698, 12.8435, 14.8249



10.6095, 12.8435, 6.2089

Complementary

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



10.1620, 12.8435, 25.2360



11.2014, 7.1553, 1.3634

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.



12.4974, 12.8435, 5.6105



10.1620, 12.8435, 25.2360



16.0207, 12.8435, 9.7192

Square

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



10.1620, 12.8435, 25.2360



15.6782, 12.8435, 21.1712



14.5103, 12.8435, 6.7011



9.2907, 12.8435, 8.6415

Rectangle

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



10.1620, 12.8435, 25.2360



13.2820, 12.8435, 27.5334



14.5103, 12.8435, 6.7011



11.1923, 12.8435, 5.8210

Sweetspot

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



10.1624, 12.8440, 25.2363



30.6109, 34.9791, 46.1866



9.5005, 17.9159, 5.2984



6.8613, 7.9103, 10.6715



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.



10.1624, 12.8440, 25.2363



16.5920, 20.6535, 44.1604



5.8967, 4.3125, 23.8144



5.0775, 5.4978, 6.3994



8.9829, 11.2361, 23.7410



0.0706, 0.0966, 0.1614

Inverse Universe

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



13.1303, 6.7714, 15.0835



22.3151, 10.9930, 24.1227



15.0703, 14.8931, 2.6530



5.1857, 5.1097, 6.0664



12.0209, 5.9185, 13.1465



0.0854, 0.0415, 0.1165

Previews

White Background



This preview shows how the XYZ color 10.1620, 12.8435, 25.2360 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 10.1620, 12.8435, 25.2360 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

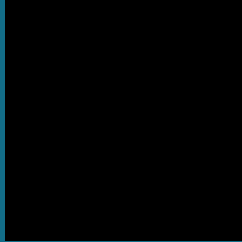
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 10.1620, 12.8435, 25.2360

Background



This preview shows how black text looks on a background with the XYZ color 10.1620, 12.8435, 25.2360.

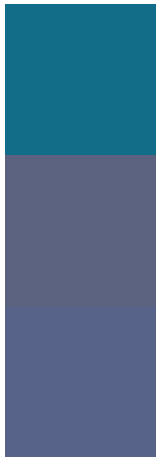


This preview shows how white text looks on a background with the XYZ color 10.1620, 12.8435,

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

10.1620, 12.8435, 25.2360

Protanopia

12.7718, 12.7575, 22.2114

Deuteranopia

13.0738, 12.8334, 25.8328

Trichromacy



Original Color

10.1620, 12.8435, 25.2360

Protanomaly

11.1270, 12.4630, 23.2919

Deuteranomaly

11.4155, 12.5634, 25.4902

Monochromacy



Original Color

10.1620, 12.8435, 25.2360

Achromatopsia

8.6345, 9.0842, 9.8927

Achromatomaly

8.4259, 9.9970, 14.5822

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.1620, 12.8435, 25.2360 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(18, 109, 136)` looks like.

```
.text, #text, p{  
    color:rgb(18, 109, 136)  
}
```

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(18, 109, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 109, 136) }
```

Border

The CSS property to change the border of an element to XYZ 10.1620, 12.8435, 25.2360 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(18, 109, 136) }
```

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

```
.border{ border-color:rgb(18, 109, 136) }
```

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

Here you see how a box with a 4 pixel rgb(18, 109, 136) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 109, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 109, 136);  
box-shadow:4px 4px 4px 4px rgb(18, 109,  
136) }
```


Background

The CSS property to change the background color of an element to XYZ 10.1620, 12.8435, 25.2360 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 109, 136) }
```

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

```
.background{ background-color: rgb(18, 109,  
136) }
```

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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