

Converting Colors

XYZ(12.7230, 18.3419, 25.9828)

Have a look what the booklet for
XYZ(12.7230, 18.3419, 25.9828)
contains.

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Color

**XYZ(12.7328, 18.2995,
26.1536)**

Conversions

Conversions Part 1

Format	Color
Hex	038488
RGB	3, 132, 136
RGB Percent	1%, 52%, 53%
CMY	0.9881, 0.4823, 0.4667
CMYK	0.98, 0.03, 0.00, 0.47
HSL	182°, 96%, 27%
HSV	182°, 98%, 53%
XYZ	12.7328, 18.2995, 26.1536
YIQ	93.8850, -78.1680, -26.1040

Conversions

Conversions Part 2

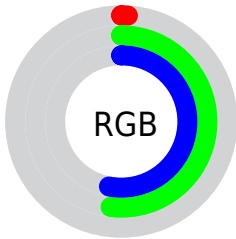
Format	Color
RYB	3, 68, 136
Decimal	230536
CIELab	49.86, -28.03, -10.78
CIELCh	50, 30.030, 201.030
Yxy	18.2995, 0.2227, 0.3200
Android (android.graphics.Color)	4278420616 (0xFF038488)
YUV	93.8850, 20.7627, -79.7061
Hunter-Lab	42.7779, -21.7310, -6.3042

Details

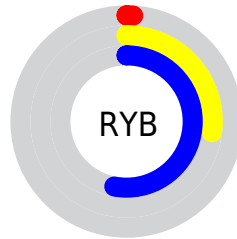
The XYZ color **12.7328, 18.2995, 26.1536** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **10.2463, 5.3934, 0.5878**, and the grayscale version is **10.5797, 11.1307, 12.1213**.

A 20% lighter version of the original color is **30.4905, 40.7232, 54.3975**, and **4.6970, 6.7065, 9.8510** is the 20% darker color. If you saturate the color by 10%, you get **12.6832, 18.2560, 26.1482**, and if you desaturate by 10%, it is **12.9756, 18.5075, 26.1813**.

Distribution



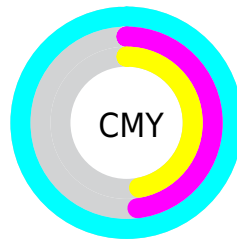
- Red (1%)
- Green (52%)
- Blue (53%)



- Red (1%)
- Yellow (27%)
- Blue (53%)



- Cyan (98%)
- Magenta (3%)
- Yellow (0%)
- Black (47%)



- Cyan (99%)
- Magenta (48%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7328, 18.2995, 26.1536 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 12.7328, 18.2995, 26.1536 by changing the saturation by 10% instead.

12.7328, 18.2995,
26.1536

12.7328, 18.2995,
26.1536

202.8705,
242.5538, 297.1647

7.3205, 11.1652,
16.7118

30.4283, 40.5470,
54.5098

3.7115, 6.1781,
9.8694

43.4423, 56.4290,
74.2612

1.5402, 2.9537,
5.2080

59.7209, 75.9958,
98.2862

0.3530, 1.1076,
2.3090

79.6294, 99.6316,
127.0035

0.0000, 0.0000,
0.7362

103.5333,
127.7209, 160.8314

0.0000, 0.0000,
0.0000

131.7979,

160.6481, 200.1885

164.7885,
198.7976, 245.4935

■ 12.7328, 18.2995,
26.1536

■ 12.7328, 18.2995,
26.1536

■ 12.6832, 18.2560,
26.1482

■ 12.9756, 18.5075,
26.1813

■ 13.3488, 18.7828,
26.2148

■ 13.8940, 19.1470,
26.2563

■ 14.6307, 19.6102,
26.3069

■ 15.5758, 20.1812,
26.3673

■ 16.7444, 20.8678,
26.4382

■ 18.1502, 21.6769,
26.5203

■ 19.8058, 22.6152,
26.6142

■ 21.7229, 23.6886,
26.7203

Harmonies

Analogous

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



12.4905, 18.2995, 17.5604



12.7328, 18.2995, 26.1536



14.1474, 18.2995, 34.9166

Triad

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



12.7328, 18.2995, 26.1536



22.0474, 18.2995, 31.6129



18.2681, 18.2995, 8.0336

Complementary

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



12.7328, 18.2995, 26.1536



10.2463, 5.3934, 0.5878

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.



21.1008, 18.2995, 9.9881



12.7328, 18.2995, 26.1536



23.4352, 18.2995, 22.4930

Square

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



12.7328, 18.2995, 26.1536



19.4502, 18.2995, 38.6233



23.0710, 18.2995, 14.7733



15.4865, 18.2995, 8.5120

Rectangle

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



12.7328, 18.2995, 26.1536



15.6597, 18.2995, 38.9263



23.0710, 18.2995, 14.7733



19.2500, 18.2995, 8.4022

Sweetspot

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



12.7334, 18.3002, 26.1540



31.4944, 37.9198, 46.7077



8.8708, 17.6395, 3.0877



7.0746, 8.6559, 10.8042



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.



12.7334, 18.3002, 26.1540



22.3301, 32.1297, 46.0731



6.5066, 5.8466, 24.0784



5.1602, 5.6633, 6.4270



12.0054, 17.2810, 24.7485



0.0816, 0.1186, 0.1650

Inverse Universe

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



14.3513, 6.9659, 22.4187



25.2114, 12.1516, 39.3745



12.4699, 9.8406, 1.3290



5.2275, 5.1264, 6.2863



13.5466, 6.5287, 21.1803



0.0909, 0.0438, 0.1457

Previews

White Background



This preview shows how the XYZ color 12.7328, 18.2995, 26.1536 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 12.7328, 18.2995, 26.1536 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

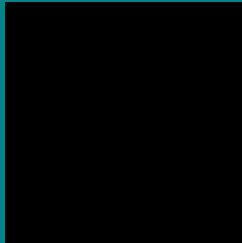
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 12.7328, 18.2995, 26.1536

Background



This preview shows how black text looks on a background with the XYZ color 12.7328, 18.2995, 26.1536.



This preview shows how white text looks on a background with the XYZ color 12.7328, 18.2995,

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

12.7328, 18.2995, 26.1536

Protanopia

17.6633, 18.1064, 22.6426

Deuteranopia

18.4721, 18.0769, 27.3265



Tritanopia

13.2873, 18.3343, 28.4297

Trichromacy



Original Color

12.7328, 18.2995, 26.1536

Protanomaly

13.9693, 17.0673, 23.6771

Deuteranomaly

14.5581, 17.1166, 26.9626

Tritanomaly

13.0310, 18.2194, 27.6408

Monochromacy



Original Color

12.7328, 18.2995, 26.1536

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

10.0473, 12.8214, 16.4132

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7328, 18.2995, 26.1536 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(3, 132, 136)` looks like.

```
.text, #text, p{  
    color:rgb(3, 132, 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(3, 132, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 132, 136) }
```

Border

The CSS property to change the border of an element to XYZ 12.7328, 18.2995, 26.1536 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(3, 132, 136) }
```


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

```
.border{ border-color:rgb(3, 132, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 132, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 132, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 132, 136);  
box-shadow:4px 4px 4px 4px rgb(3, 132,  
136) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7328, 18.2995, 26.1536 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 132, 136) }
```

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

```
.background{ background-color: rgb(3, 132,  
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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