

Converting Colors

XYZ(12.4514, 13.6741, 25.9141)

Have a look what the booklet for
XYZ(12.4514, 13.6741, 25.9141)
contains.

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Color

**XYZ(12.5176, 13.7281,
26.0348)**

Conversions

Conversions Part 1

Format	Color
Hex	486B8A
RGB	72, 107, 138
RGB Percent	28%, 42%, 54%
CMY	0.7176, 0.5804, 0.4588
CMYK	0.48, 0.22, 0.00, 0.46
HSL	208°, 31%, 41%
HSV	208°, 48%, 54%
XYZ	12.5176, 13.7281, 26.0348
YIQ	100.0690, -30.8110, 2.2210

Conversions

Conversions Part 2

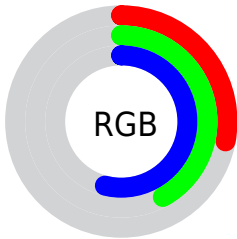
Format	Color
R_{YB}	72, 95, 138
Decimal	4746122
CIE _{Lab}	43.84, -3.54, -20.96
CIE _{LCh}	44, 21.260, 260.403
Yxy	13.7281, 0.2394, 0.2626
Android (android.graphics.Color)	4282936202 (0xFF486B8A)
YUV	100.0690, 18.7000, -24.6165
Hunter-Lab	37.0515, -4.5349, -15.7251

Details

The XYZ color **12.5176, 13.7281, 26.0348** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **16.5015, 15.5719, 8.2673**, and the grayscale version is **12.0905, 12.7202, 13.8523**.

A 20% lighter version of the original color is **30.0535, 32.5446, 54.5669**, and **3.6268, 4.0649, 9.8260** is the 20% darker color. If you saturate the color by 10%, you get **10.9514, 11.9551, 25.7754**, and if you desaturate by 10%, it is **14.3663, 15.7225, 26.3226**.

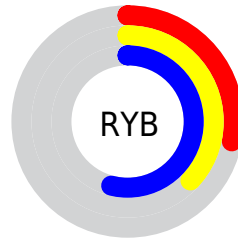
Distribution



Red (28%)

Green (42%)

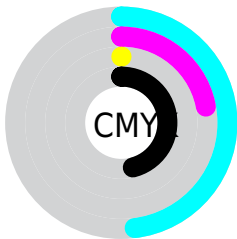
Blue (54%)



Red (28%)

Yellow (37%)

Blue (54%)

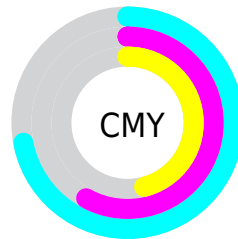


Cyan (48%)

Magenta (22%)

Yellow (0%)

Black (46%)



Cyan (72%)

Magenta (58%)

Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.5176, 13.7281, 26.0348 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 12.5176, 13.7281, 26.0348 by changing the saturation by 10% instead.

■ 12.5176, 13.7281,
26.0348

■ 12.5176, 13.7281,
26.0348

201.5032,
215.5327, 296.5638

■ 7.1719, 7.9318,
16.6237

■ 30.0431, 32.6058,
54.3159

■ 3.6171, 4.0513,
9.8074

■ 42.9536, 46.4560,
74.0229

■ 1.4879, 1.7023,
5.1675

■ 59.1165, 63.7596,
97.9989

■ 0.3176, 0.4252,
2.2854

■ 78.8971, 84.9010,
126.6626

■ 0.0000, 0.0000,
0.7230

■ 102.6606,
110.2646, 160.4323

■ 0.0000, 0.0000,
0.0000

130.7726,

140.2349, 199.7268

163.5983,
175.1961, 244.9644

■ 12.5176, 13.7281,
26.0348

■ 12.5176, 13.7281,
26.0348

■ 10.9514, 11.9551,
25.7754

■ 14.3663, 15.7225,
26.3226

■ 9.6497, 10.3917,
25.5422

■ 16.5115, 17.9463,
26.6388

■ 8.5941, 9.0271,
25.3345

■ 18.9676, 20.4088,
26.9846

■ 7.7631, 7.8484,
25.1507

■ 21.7479, 23.1182,
27.3610

■ 7.1137, 6.8315,
24.9887

■ 24.8647, 26.0823,
27.7689

■ 6.9821, 6.6242,
24.9556

■ 28.3295, 29.3087,
28.2090

■ 32.1536, 32.8043,
28.6822

■ 36.3476, 36.5759,
29.1892

■ 40.9214, 40.6302,
29.7306

Harmonies

Analogous

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



11.0978, 13.7281, 23.2578



12.5176, 13.7281, 26.0348



14.2056, 13.7281, 25.3883

Triad

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



12.5176, 13.7281, 26.0348



16.3117, 13.7281, 11.9522



10.7166, 13.7281, 9.7977

Complementary

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



12.5176, 13.7281, 26.0348



16.5015, 15.5719, 8.2673

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.



11.9554, 13.7281, 7.8520



12.5176, 13.7281, 26.0348



15.2145, 13.7281, 8.8983

Square

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



12.5176, 13.7281, 26.0348



16.4949, 13.7281, 16.5416



13.5935, 13.7281, 7.5625



10.1184, 13.7281, 13.4594

Rectangle

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



12.5176, 13.7281, 26.0348



15.2531, 13.7281, 23.1458



13.5935, 13.7281, 7.5625



11.0667, 13.7281, 8.9575

Sweetspot

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



12.5181, 13.7286, 26.0351



35.0948, 37.6070, 47.7924



14.1995, 20.5303, 15.9941



7.6703, 8.2377, 10.6921



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.



12.5181, 13.7286, 26.0351



19.2046, 20.9573, 45.4161



9.7225, 8.1374, 25.1033



4.9798, 5.3025, 6.3669



6.4162, 6.1028, 22.8855



0.0573, 0.0699, 0.1569

Inverse Universe

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



15.4528, 11.0999, 15.2385



25.1890, 16.4286, 23.2138



20.4272, 23.4235, 9.5758



5.1364, 5.0900, 5.8069



10.7254, 5.4003, 6.3244



0.0787, 0.0388, 0.0810

Previews

White Background



This preview shows how the XYZ color 12.5176, 13.7281, 26.0348 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 12.5176, 13.7281, 26.0348 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

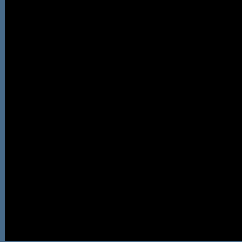
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

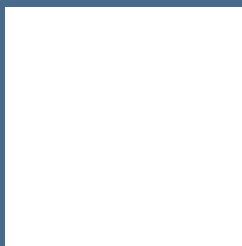
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.5176, 13.7281, 26.0348

Background



This preview shows how black text looks on a background with the XYZ color 12.5176, 13.7281, 26.0348.

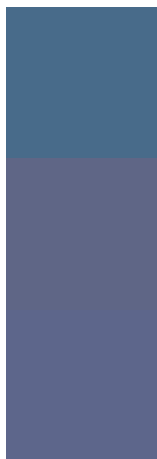


This preview shows how white text looks on a background with the XYZ color 12.5176, 13.7281,

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

12.5176, 13.7281, 26.0348

Protanopia

13.7738, 13.6569, 24.4643

Deuteranopia

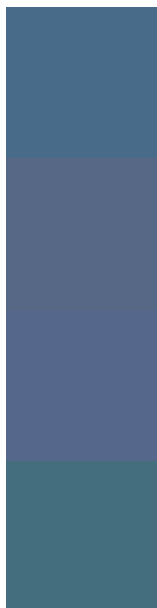
13.9258, 13.6940, 26.3353



Tritanopia

11.1525, 13.6420, 19.4981

Trichromacy



Original Color

12.5176, 13.7281, 26.0348

Protanomaly

13.2540, 13.6761, 24.8629

Deuteranomaly

13.3568, 13.6960, 26.3657

Tritanomaly

11.6184, 13.6726, 21.7654

Monochromacy



Original Color

12.5176, 13.7281, 26.0348

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

12.1040, 13.0891, 17.8081

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5176, 13.7281, 26.0348 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(72, 107, 138)` looks like.

```
.text, #text, p{  
    color:rgb(72, 107, 138)  
}
```

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(72, 107, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 107, 138) }
```

Border

The CSS property to change the border of an element to XYZ 12.5176, 13.7281, 26.0348 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(72, 107, 138) }
```


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

```
.border{ border-color:rgb(72, 107, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 107, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 107, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 107, 138);  
box-shadow:4px 4px 4px 4px rgb(72, 107,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 12.5176, 13.7281, 26.0348 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 107, 138) }
```

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

```
.background{ background-color: rgb(72, 107,  
138) }
```

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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