

Converting Colors

XYZ(10.1155, 12.4917, 23.1406)

Have a look what the booklet for
XYZ(10.1155, 12.4917, 23.1406)
contains.

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Color

**XYZ(10.1237, 12.5584,
23.0095)**

Conversions

Conversions Part 1

Format	Color
Hex	276B82
RGB	39, 107, 130
RGB Percent	15%, 42%, 51%
CMY	0.8470, 0.5804, 0.4902
CMYK	0.70, 0.18, 0.00, 0.49
HSL	195°, 54%, 33%
HSV	195°, 70%, 51%
XYZ	10.1237, 12.5584, 23.0095
YIQ	89.2900, -47.9110, -7.2630

Conversions

Conversions Part 2

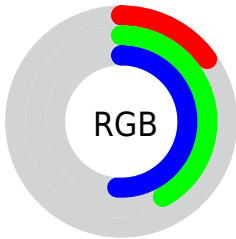
Format	Color
R_{YB}	39, 78, 130
Decimal	2583426
CIE _{Lab}	42.09, -13.38, -18.97
CIE _{LCh}	42, 23.214, 234.813
Yxy	12.5584, 0.2216, 0.2749
Android (android.graphics.Color)	4280773506 (0xFF276B82)
YUV	89.2900, 20.0700, -44.1043
Hunter-Lab	35.4378, -11.0232, -13.6900

Details

The XYZ color **10.1237, 12.5584, 23.0095** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **11.2953, 8.3384, 2.9343**, and the grayscale version is **9.5248, 10.0209, 10.9127**.

A 20% lighter version of the original color is **25.5980, 30.3594, 49.3105**, and **3.1011, 3.8258, 8.3596** is the 20% darker color. If you saturate the color by 10%, you get **9.3772, 11.6749, 22.8785**, and if you desaturate by 10%, it is **11.0528, 13.5559, 23.1533**.

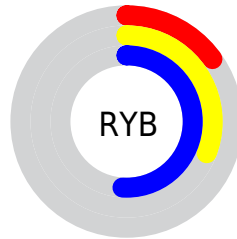
Distribution



Red (15%)

Green (42%)

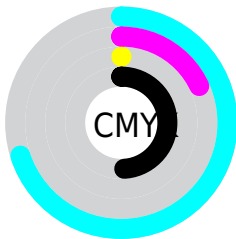
Blue (51%)



Red (15%)

Yellow (31%)

Blue (51%)

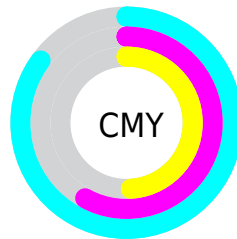


Cyan (70%)

Magenta (18%)

Yellow (0%)

Black (49%)



Cyan (85%)

Magenta (58%)

Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.1237, 12.5584, 23.0095 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 10.1237, 12.5584, 23.0095 by changing the saturation by 10% instead.

■ 10.1237, 12.5584,
23.0095

■ 10.1237, 12.5584,
23.0095

■ 185.5879,
208.0678, 280.8973

■ 5.5439, 7.1252,
14.3952

■ 25.6755, 30.5081,
49.3323

■ 2.6078, 3.5405,
8.2541

■ 37.3782, 43.7934,
67.8779

■ 0.9499, 1.4200,
4.1679

■ 52.1860, 60.4648,
90.5709

■ 0.0000, 0.2314,
1.7179

■ 70.4642, 80.9068,
117.8300

■ 0.0000, 0.0000,
0.3730

■ 92.5781, 105.5036,
150.0736

■ 0.0000, 0.0000,
0.0000

■ 118.8931,

134.6398, 187.7203

149.7746,
168.6998, 231.1887

■ 10.1237, 12.5584,
23.0095

■ 10.1237, 12.5584,
23.0095

■ 9.3772, 11.6749,
22.8785

■ 11.0528, 13.5559,
23.1533

■ 8.7939, 10.8943,
22.7586

■ 12.1790, 14.6743,
23.3098

■ 8.3174, 10.1877,
22.6474

■ 13.5167, 15.9215,
23.4801

■ 8.3171, 10.1873,
22.6473

■ 15.0784, 17.3041,
23.6646

■ 16.8756, 18.8283,
23.8641

■ 18.9193, 20.4998,
24.0790

■ 21.2194, 22.3241,
24.3099

■ 23.7855, 24.3062,
24.5572

■ 26.6264, 26.4510,
24.8215

Harmonies

Analogous

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



9.1694, 12.5584, 18.0648



10.1237, 12.5584, 23.0095



11.6388, 12.5584, 25.4969

Triad

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



10.1237, 12.5584, 23.0095



15.5574, 12.5584, 14.5516



10.5966, 12.5584, 6.7321

Complementary

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



10.1237, 12.5584, 23.0095



11.2953, 8.3384, 2.9343

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.



12.2390, 12.5584, 6.2225



10.1237, 12.5584, 23.0095



15.2105, 12.5584, 10.0594

Square

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



10.1237, 12.5584, 23.0095



14.8604, 12.5584, 19.9172



13.9535, 12.5584, 7.2824



9.4235, 12.5584, 8.8943

Rectangle

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



10.1237, 12.5584, 23.0095



12.8055, 12.5584, 25.0794



13.9535, 12.5584, 7.2824



11.1075, 12.5584, 6.3879

Sweetspot

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



10.1241, 12.5589, 23.0098



29.2232, 32.7440, 41.9725



9.6825, 16.7420, 7.2436



6.4471, 7.2708, 9.4819



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



10.1241, 12.5589, 23.0098



15.8743, 19.7271, 40.1635



6.5757, 5.4620, 21.8270



4.3573, 4.7086, 5.4925



7.9803, 9.7791, 21.7169



0.0000, 0.0000, 0.0000

Inverse Universe

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



12.5857, 7.2590, 14.6480



20.8064, 10.8199, 23.0256



14.8564, 15.4605, 4.1213



4.4532, 4.3944, 5.1909



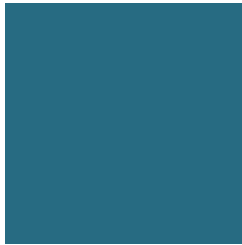
10.9051, 5.3817, 11.3557



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 10.1237, 12.5584, 23.0095 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 10.1237, 12.5584, 23.0095 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 10.1237, 12.5584, 23.0095

Background



This preview shows how black text looks on a background with the XYZ color 10.1237, 12.5584, 23.0095.

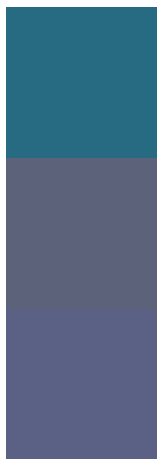


This preview shows how white text looks on a background with the XYZ color 10.1237, 12.5584,

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

10.1237, 12.5584, 23.0095

Protanopia

12.4570, 12.4926, 20.4936

Deuteranopia

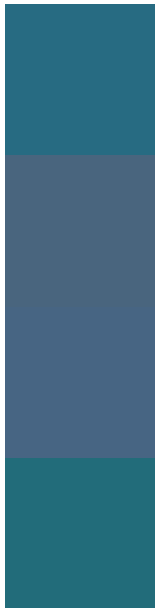
12.6560, 12.3890, 23.5541



Tritanopia

9.3037, 12.5366, 19.0690

Trichromacy



Original Color

10.1237, 12.5584, 23.0095

Protanomaly

11.1672, 12.2302, 21.5107

Deuteranomaly

11.3489, 12.2856, 23.2459

Tritanomaly

9.5351, 12.4703, 20.3168

Monochromacy



Original Color

10.1237, 12.5584, 23.0095

Achromatopsia

9.4954, 9.9899, 10.8790

Achromatomaly

9.2801, 10.7048, 14.6738

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.1237, 12.5584, 23.0095 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(39, 107, 130)` looks like.

```
.text, #text, p{  
    color:rgb(39, 107, 130)  
}
```

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(39, 107, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 107, 130) }
```

Border

The CSS property to change the border of an element to XYZ 10.1237, 12.5584, 23.0095 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(39, 107, 130) }
```


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

```
.border{ border-color:rgb(39, 107, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 107, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(39, 107, 130); -webkit-box-shadow:4px 4px 4px 4px rgb(39, 107, 130); box-shadow:4px 4px 4px 4px rgb(39, 107, 130) }
```

Background

The CSS property to change the background color of an element to XYZ 10.1237, 12.5584, 23.0095 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 107, 130) }
```

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

```
.background{ background-color: rgb(39, 107,  
130) }
```

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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