

Converting Colors

XYZ(10.6528, 12.3944, 21.2164)

Have a look what the booklet for
XYZ(10.6528, 12.3944, 21.2164)
contains.

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Color

**XYZ(10.6386, 12.4054,
21.2358)**

Conversions

Conversions Part 1

Format	Color
Hex	3E687D
RGB	62, 104, 125
RGB Percent	24%, 41%, 49%
CMY	0.7568, 0.5922, 0.5098
CMYK	0.50, 0.17, 0.00, 0.51
HSL	200°, 34%, 37%
HSV	200°, 50%, 49%
XYZ	10.6386, 12.4054, 21.2358
YIQ	93.8360, -31.7730, -2.3730

Conversions

Conversions Part 2

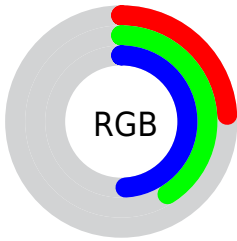
Format	Color
R_{YB}	62, 87, 125
Decimal	4089981
CIE _{Lab}	41.85, -8.40, -16.24
CIE _{LCh}	42, 18.283, 242.636
Yxy	12.4054, 0.2403, 0.2802
Android (android.graphics.Color)	4282280061 (0xFF3E687D)
YUV	93.8360, 15.3639, -27.9202
Hunter-Lab	35.2213, -7.7213, -11.0925

Details

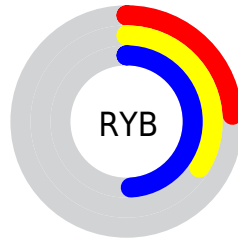
The XYZ color **10.6386, 12.4054, 21.2358** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **12.4206, 10.8948, 6.0062**, and the grayscale version is **10.5712, 11.1218, 12.1116**.

A 20% lighter version of the original color is **26.6967, 30.2344, 46.5482**, and **2.8177, 3.4739, 7.3595** is the 20% darker color. If you saturate the color by 10%, you get **9.5341, 11.2289, 21.0672**, and if you desaturate by 10%, it is **11.9450, 13.7172, 21.4204**.

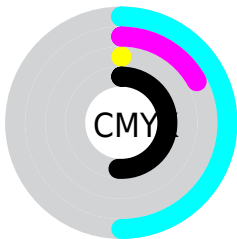
Distribution



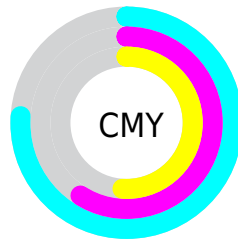
- Red (24%)
- Green (41%)
- Blue (49%)



- Red (24%)
- Yellow (34%)
- Blue (49%)



- Cyan (50%)
- Magenta (17%)
- Yellow (0%)
- Black (51%)



- Cyan (76%)
- Magenta (59%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.6386, 12.4054, 21.2358 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 10.6386, 12.4054, 21.2358 by changing the saturation by 10% instead.

■ 10.6386, 12.4054,
21.2358

■ 10.6386, 12.4054,
21.2358

189.1310,
207.0710, 271.3511

■ 5.8899, 7.0204,
13.1036

■ 26.6288, 30.2313,
46.3655

■ 2.8183, 3.4749,
7.3683

■ 38.6010, 43.4411,
64.2001

■ 1.0584, 1.3844,
3.6116

■ 53.7118, 60.0278,
86.1058

■ 0.0000, 0.2052,
1.4148

■ 72.3264, 80.3760,
112.5012

■ 0.0000, 0.0000,
0.1532

■ 94.8103, 104.8700,
143.8050

■ 0.0000, 0.0000,
0.0000

121.5288,

133.8943, 180.4355

152.8472,
167.8331, 222.8113

■ 10.6386, 12.4054,
21.2358

■ 10.6386, 12.4054,
21.2358

■ 9.5341, 11.2289,
21.0672

■ 11.9450, 13.7172,
21.4204

■ 8.6174, 10.1794,
20.9129

■ 13.4637, 15.1695,
21.6206

■ 7.8746, 9.2493,
20.7725

■ 15.2059, 16.7685,
21.8375

■ 7.2887, 8.4296,
20.6452

■ 17.1814, 18.5199,
22.0714

■ 6.8206, 7.7184,
20.5326

■ 19.3996, 20.4289,
22.3230

■ 21.8693, 22.5003,
22.5926

■ 24.5989, 24.7390,
22.8809

■ 27.5962, 27.1492,
23.1881

■ 30.8688, 29.7354,
23.5148

Harmonies

Analogous

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



9.7390, 12.4054, 17.9220



10.6386, 12.4054, 21.2358



11.9106, 12.4054, 22.3685

Triad

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



10.6386, 12.4054, 21.2358



14.5761, 12.4054, 13.1687



10.4469, 12.4054, 8.1683

Complementary

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



10.6386, 12.4054, 21.2358



12.4206, 10.8948, 6.0062

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.



11.6721, 12.4054, 7.3634



10.6386, 12.4054, 21.2358



14.1126, 12.4054, 9.8847

Square

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



10.6386, 12.4054, 21.2358



14.2475, 12.4054, 17.2171



13.0237, 12.4054, 7.9265



9.6344, 12.4054, 10.3729

Rectangle

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



10.6386, 12.4054, 21.2358



12.8175, 12.4054, 21.5879



13.0237, 12.4054, 7.9265



10.8207, 12.4054, 7.7464

Sweetspot

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



10.6390, 12.4059, 21.2361



28.9576, 31.5724, 39.3122



10.8819, 16.3162, 10.7599



6.4497, 7.0597, 8.9258



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



10.6390, 12.4059, 21.2361



16.8847, 19.8996, 37.6954



8.0385, 7.2050, 20.3693



4.3294, 4.6528, 5.4832



7.1119, 8.0424, 21.4274



0.0000, 0.0000, 0.0000

Inverse Universe

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



12.6791, 8.8051, 14.1284



21.1186, 13.2473, 22.7606



15.4011, 16.8559, 6.9997



4.4391, 4.3888, 5.1168



10.4667, 5.2064, 9.0476



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 10.6386, 12.4054, 21.2358 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 10.6386, 12.4054, 21.2358 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

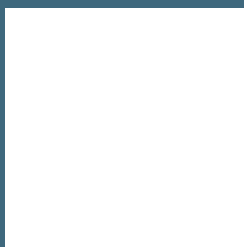
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 10.6386, 12.4054, 21.2358

Background



This preview shows how black text looks on a background with the XYZ color 10.6386, 12.4054, 21.2358.

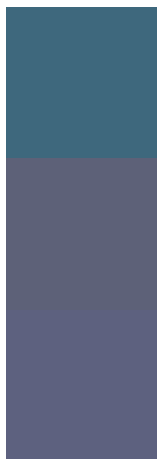


This preview shows how white text looks on a background with the XYZ color 10.6386, 12.4054,

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

10.6386, 12.4054, 21.2358

Protanopia

12.1791, 12.2326, 19.4885

Deuteranopia

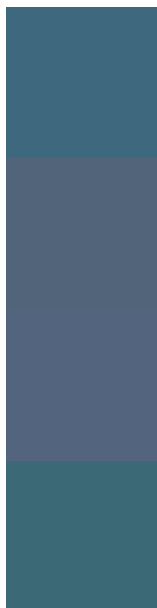
12.6197, 12.4089, 21.8087



Tritanopia

9.9362, 12.4225, 17.7937

Trichromacy



Original Color

10.6386, 12.4054, 21.2358

Protanomaly

11.5497, 12.3133, 20.1803

Deuteranomaly

11.8027, 12.4145, 21.5128

Tritanomaly

10.1252, 12.3410, 18.9879

Monochromacy



Original Color

10.6386, 12.4054, 21.2358

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

10.3972, 11.5491, 15.0458

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.6386, 12.4054, 21.2358 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(62, 104, 125) looks like.

```
.text, #text, p{  
    color:rgb(62, 104, 125)  
}
```

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(62, 104, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 104, 125) }
```

Border

The CSS property to change the border of an element to XYZ 10.6386, 12.4054, 21.2358 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(62, 104, 125) }
```


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

```
.border{ border-color:rgb(62, 104, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 104, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 104, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 104, 125);  
box-shadow:4px 4px 4px 4px rgb(62, 104,  
125) }
```

Background

The CSS property to change the background color of an element to XYZ 10.6386, 12.4054, 21.2358 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 104, 125) }
```

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

```
.background{ background-color: rgb(62, 104,  
125) }
```

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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