

Converting Colors

XYZ(12.6362, 14.2476, 19.5368)

Have a look what the booklet for
XYZ(12.6362, 14.2476, 19.5368)
contains.

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Color

**XYZ(12.6362, 14.2476,
19.5368)**

Conversions

Conversions Part 1

Format	Color
Hex	566D77
RGB	86, 109, 119
RGB Percent	34%, 43%, 47%
CMY	0.6627, 0.5725, 0.5333
CMYK	0.28, 0.08, 0.00, 0.53
HSL	198°, 16%, 40%
HSV	198°, 28%, 47%
XYZ	12.6362, 14.2476, 19.5368
YIQ	103.2630, -16.9180, -1.7660

Conversions

Conversions Part 2

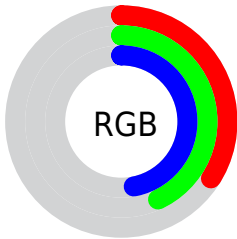
Format	Color
R_{YB}	86, 100, 119
Decimal	5664119
CIE Lab	44.59, -5.96, -8.35
CIE LCh	45, 10.254, 234.484
Yxy	14.2476, 0.2722, 0.3069
Android (android.graphics.Color)	4283854199 (0xFF566D77)
YUV	103.2630, 7.7583, -15.1397
Hunter-Lab	37.7460, -6.2992, -4.2655

Details

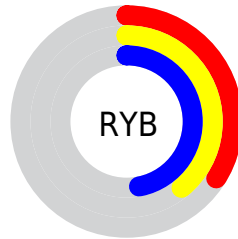
The XYZ color **12.6362, 14.2476, 19.5368** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.4706, 12.9598, 10.5961**, and the grayscale version is **12.9454, 13.6196, 14.8317**.

A 20% lighter version of the original color is **30.2380, 33.4003, 43.3813**, and **3.6967, 4.3315, 6.6025** is the 20% darker color. If you saturate the color by 10%, you get **11.2538, 12.9759, 19.3644**, and if you desaturate by 10%, it is **14.2177, 15.6461, 19.7236**.

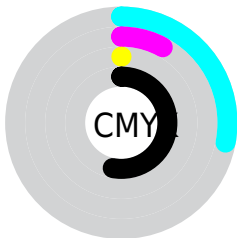
Distribution



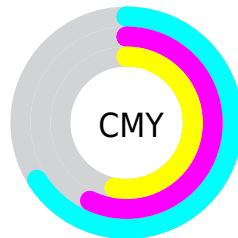
- Red (34%)
- Green (43%)
- Blue (47%)



- Red (34%)
- Yellow (39%)
- Blue (47%)



- Cyan (28%)
- Magenta (8%)
- Yellow (0%)
- Black (53%)



- Cyan (66%)
- Magenta (57%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.6362, 14.2476, 19.5368 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 12.6362, 14.2476, 19.5368 by changing the saturation by 10% instead.

■ 12.6362, 14.2476,
19.5368

■ 12.6362, 14.2476,
19.5368

202.2579,
218.7658, 261.9172

■ 7.2538, 8.2931,
11.8781

■ 30.2555, 33.5277,
43.4879

■ 3.6691, 4.2830,
6.5392

■ 43.2232, 47.6221,
60.6174

■ 1.5167, 1.8331,
3.1016

■ 59.4499, 65.1986,
81.7409

■ 0.3371, 0.5077,
1.1467

■ 79.3012, 86.6415,
107.2769

■ 0.0000, 0.0000,
0.0000

■ 103.1422,
112.3353, 137.6440

131.3384,

142.6643, 173.2607

164.2552,
178.0130, 214.5456

■ 12.6362, 14.2476,
19.5368

■ 12.6362, 14.2476,
19.5368

■ 11.2538, 12.9759,
19.3644

■ 14.2177, 15.6461,
19.7236

■ 10.0599, 11.8242,
19.2051

■ 16.0057, 17.1743,
19.9244

■ 9.0451, 10.7877,
19.0585

■ 18.0086, 18.8373,
20.1398

■ 8.1984, 9.8604,
18.9241

■ 20.2339, 20.6393,
20.3703

■ 7.5075, 9.0358,
18.8014

■ 22.6890, 22.5842,
20.6163

■ 6.9584, 8.3062,
18.6895

■ 25.3807, 24.6758,
20.8782

■ 6.5155, 7.6531,
18.5868

■ 28.3157, 26.9178,
21.1562

■ 6.4187, 7.5097,
18.5642

■ 31.5002, 29.3137,
21.4508

■ 34.9403, 31.8668,
21.7623

Harmonies

Analogous

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



12.1414, 14.2476, 17.4847



12.6362, 14.2476, 19.5368



13.3892, 14.2476, 20.5194

Triad

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



12.6362, 14.2476, 19.5368



15.1926, 14.2476, 15.9565



12.8915, 14.2476, 11.7159

Complementary

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



12.6362, 14.2476, 19.5368



13.4706, 12.9598, 10.5961

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.



13.6958, 14.2476, 11.3957



12.6362, 14.2476, 19.5368



15.0462, 14.2476, 13.6958

Square

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



12.6362, 14.2476, 19.5368



14.8823, 14.2476, 18.3214



14.4899, 14.2476, 12.0839



12.2846, 14.2476, 13.0077

Rectangle

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



12.6362, 14.2476, 19.5368



13.9448, 14.2476, 20.3703



14.4899, 14.2476, 12.0839



13.1468, 14.2476, 11.4970

Sweetspot

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



12.6366, 14.2482, 19.5371



28.5012, 30.6191, 35.6610



12.5417, 16.0151, 13.4728



6.6521, 7.1699, 8.4400



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



12.6366, 14.2482, 19.5371



21.0746, 24.0963, 34.7934



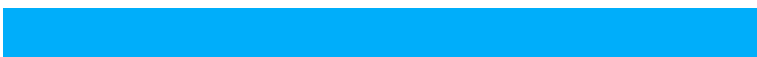
11.0473, 11.0695, 19.0073



3.6941, 3.9769, 4.6632



6.8108, 7.9613, 19.7203



32.4103, 37.2372, 95.8396

Inverse Universe

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



13.6962, 11.6821, 16.0016



23.3291, 18.8611, 27.2205



15.1262, 16.2709, 11.1480



3.7816, 3.7399, 4.3769



9.7349, 4.8277, 9.0782



47.0460, 23.3685, 42.1669

Previews

White Background



This preview shows how the XYZ color 12.6362, 14.2476, 19.5368 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 12.6362, 14.2476, 19.5368 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

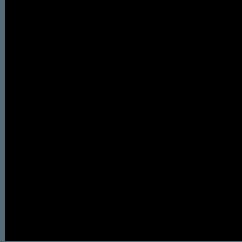
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

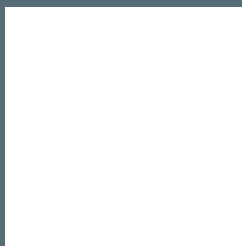
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.6362, 14.2476, 19.5368

Background



This preview shows how black text looks on a background with the XYZ color 12.6362, 14.2476, 19.5368.



This preview shows how white text looks on a background with the XYZ color 12.6362, 14.2476,

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

12.6362, 14.2476, 19.5368

Protanopia

13.8116, 14.1046, 18.5175

Deuteranopia

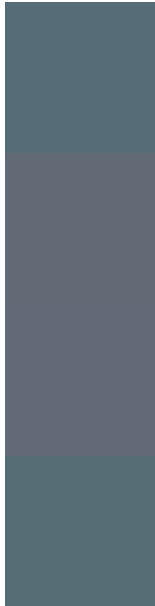
14.4248, 14.2447, 19.7585



Tritanopia

12.5764, 14.2237, 19.2221

Trichromacy



Original Color

12.6362, 14.2476, 19.5368

Protanomaly

13.2947, 14.1338, 18.8570

Deuteranomaly

13.6973, 14.1685, 19.7822

Tritanomaly

12.5764, 14.2237, 19.2221

Monochromacy



Original Color

12.6362, 14.2476, 19.5368

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.7417, 13.7487, 16.4502

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6362, 14.2476, 19.5368 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(86, 109, 119) looks like.

```
.text, #text, p{  
    color:rgb(86, 109, 119)  
}
```

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(86, 109, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 109, 119) }
```

Border

The CSS property to change the border of an element to XYZ 12.6362, 14.2476, 19.5368 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(86, 109, 119) }
```


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

```
.border{ border-color:rgb(86, 109, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 109, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 109, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 109, 119);  
box-shadow:4px 4px 4px 4px rgb(86, 109,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 12.6362, 14.2476, 19.5368 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 109, 119) }
```

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

```
.background{ background-color: rgb(86, 109,  
119) }
```

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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