

Converting Colors

XYZ(15.8757, 14.0928, 46.8368)

Have a look what the booklet for
XYZ(15.8757, 14.0928, 46.8368)
contains.

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Color

**XYZ(15.8734, 14.1040,
46.6855)**

Conversions

Conversions Part 1

Format	Color
Hex	4865B7
RGB	72, 101, 183
RGB Percent	28%, 40%, 72%
CMY	0.7176, 0.6039, 0.2824
CMYK	0.61, 0.45, 0.00, 0.28
HSL	224°, 44%, 50%
HSV	224°, 61%, 72%
XYZ	15.8734, 14.1040, 46.6855
YIQ	101.6770, -43.6060, 19.3540

Conversions

Conversions Part 2

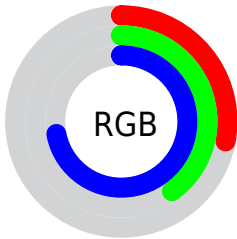
Format	Color
R _Y B	72, 95, 183
Decimal	4744631
CIE Lab	44.38, 15.08, -46.71
CIE LCh	44, 49.081, 287.895
Yxy	14.1040, 0.2071, 0.1840
Android (android.graphics.Color)	4282934711 (0xFF4865B7)
YUV	101.6770, 40.0922, -26.0267
Hunter-Lab	37.5553, 9.7244, -47.4155

Details

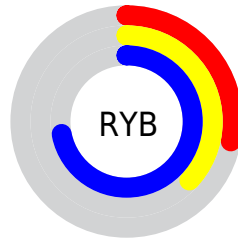
The XYZ color **15.8734, 14.1040, 46.6855** is a dark color, and the websafe version is hex **3366CC**. A complement of this color would be **32.2548, 33.6480, 10.9265**, and the grayscale version is **12.4528, 13.1014, 14.2674**.

A 20% lighter version of the original color is **36.1623, 33.4936, 86.9970**, and **5.3286, 4.3174, 21.3214** is the 20% darker color. If you saturate the color by 10%, you get **13.5002, 11.0897, 46.2291**, and if you desaturate by 10%, it is **18.8697, 17.7604, 47.2336**.

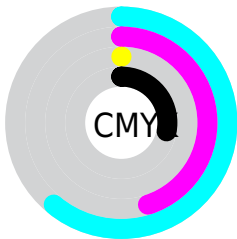
Distribution



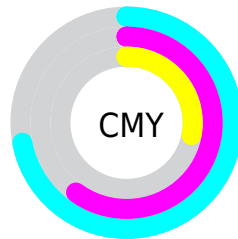
- Red (28%)
- Green (40%)
- Blue (72%)



- Red (28%)
- Yellow (37%)
- Blue (72%)



- Cyan (61%)
- Magenta (45%)
- Yellow (0%)
- Black (28%)



- Cyan (72%)
- Magenta (60%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.8734, 14.1040, 46.6855 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 15.8734, 14.1040, 46.6855 by changing the saturation by 10% instead.

■ 15.8734, 14.1040,
46.6855

■ 15.8734, 14.1040,
46.6855

221.8786,
217.8769, 389.9151

■ 9.5249, 8.1930,
32.4345

■ 35.9375, 33.2734,
86.5890

■ 5.1449, 4.2187,
21.4261

■ 50.3838, 47.3007,
113.0787

■ 2.3682, 1.7966,
13.2415

■ 68.2601, 64.8022,
144.4850

■ 0.8292, 0.4851,
7.4624

■ 89.9317, 86.1623,
181.2265

■ 0.0000, 0.0000,
3.6701

■ 115.7640,
111.7655, 223.7217

■ 0.0000, 0.0000,
1.4462

146.1224,

■ 0.0000, 0.0000,

141.9960, 272.3892

0.1773

181.3721,
177.2383, 327.6475

■ 0.0000, 0.0000,
0.0000

■ 15.8734, 14.1040,
46.6855

■ 15.8734, 14.1040,
46.6855

■ 13.5002, 11.0897,
46.2291

■ 18.8697, 17.7604,
47.2336

■ 11.7005, 8.6759,
45.8580

■ 22.5299, 22.0940,
47.8772

■ 10.4195, 6.8174,
45.5668

■ 26.8932, 27.1389,
48.6210

■ 9.5964, 5.5170,
45.3592

■ 31.9951, 32.9263,
49.4692

■ 37.8687, 39.4857,
50.4257

■ 44.5449, 46.8445,
51.4942

■ 52.0532, 55.0292,
52.6783

■ 60.4212, 64.0648,
53.9813

■ 69.6754, 73.9753,
55.4065

Harmonies

Analogous

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



11.8771, 14.1040, 47.8873



15.8734, 14.1040, 46.6855



19.8560, 14.1040, 35.0082

Triad

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



15.8734, 14.1040, 46.6855



19.1604, 14.1040, 4.2218



7.2734, 14.1040, 11.2376

Complementary

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



15.8734, 14.1040, 46.6855



32.2548, 33.6480, 10.9265

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.



8.5293, 14.1040, 4.9122



15.8734, 14.1040, 46.6855



15.0595, 14.1040, 2.4052

Square

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



15.8734, 14.1040, 46.6855



21.9951, 14.1040, 9.6031



11.2075, 14.1040, 2.5740



7.4061, 14.1040, 23.0442

Rectangle

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



15.8734, 14.1040, 46.6855



21.7310, 14.1040, 25.0659



11.2075, 14.1040, 2.5740



7.5351, 14.1040, 8.5478

Sweetspot

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



15.8740, 14.1045, 46.6859



59.6537, 61.6111, 88.9837



25.3895, 37.5584, 36.2226



12.5372, 12.8905, 19.5490



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



15.8740, 14.1045, 46.6859



22.9203, 18.2061, 82.5418



15.8917, 10.6457, 46.0173



8.7068, 9.0908, 11.3752



6.7431, 3.9458, 31.6593



0.2897, 0.2432, 1.1334

Inverse Universe

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



24.1953, 15.6424, 14.0563



39.5844, 22.8102, 16.8567



32.0280, 41.5135, 12.4567



9.0984, 9.0497, 9.8653



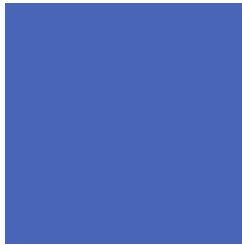
14.0173, 7.1807, 2.7118



0.5204, 0.2636, 0.2339

Previews

White Background



This preview shows how the XYZ color 15.8734, 14.1040, 46.6855 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 15.8734, 14.1040, 46.6855 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

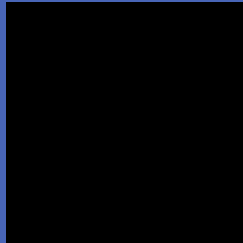
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.8734, 14.1040, 46.6855

Background



This preview shows how black text looks on a background with the XYZ color 15.8734, 14.1040, 46.6855.



This preview shows how white text looks on a background with the XYZ color 15.8734, 14.1040,

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

15.8734, 14.1040, 46.6855

Protanopia

15.7178, 14.1567, 47.2515

Deuteranopia

14.5524, 14.1777, 46.2255



Tritanopia

10.6941, 14.0253, 21.2123

Trichromacy



Original Color

15.8734, 14.1040, 46.6855

Protanomaly

15.8573, 14.2286, 47.2580

Deuteranomaly

14.8620, 14.0349, 46.1817

Tritanomaly

12.1008, 13.7659, 28.8074

Monochromacy



Original Color

15.8734, 14.1040, 46.6855

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

13.1625, 13.3656, 23.3588

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8734, 14.1040, 46.6855 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, 101, 183)` looks like.

```
.text, #text, p{  
    color:rgb(72, 101, 183)  
}
```

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, 101, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 101, 183) }
```

Border

The CSS property to change the border of an element to XYZ 15.8734, 14.1040, 46.6855 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, 101, 183) }
```


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

```
.border{ border-color:rgb(72, 101, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 101, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 101, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 101, 183);  
box-shadow:4px 4px 4px 4px rgb(72, 101,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 15.8734, 14.1040, 46.6855 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 101, 183) }
```

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

```
.background{ background-color: rgb(72, 101,  
183) }
```

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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