

Converting Colors

XYZ(14.6721, 17.7566, 24.7000)

Have a look what the booklet for
XYZ(14.6721, 17.7566, 24.7000)
contains.

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Color

**XYZ(14.7496, 17.8142,
24.8514)**

Conversions

Conversions Part 1

Format	Color
Hex	507C85
RGB	80, 124, 133
RGB Percent	31%, 49%, 52%
CMY	0.6863, 0.5137, 0.4784
CMYK	0.40, 0.07, 0.00, 0.48
HSL	190°, 25%, 42%
HSV	190°, 40%, 52%
XYZ	14.7496, 17.8142, 24.8514
YIQ	111.8700, -29.1130, -6.5290

Conversions

Conversions Part 2

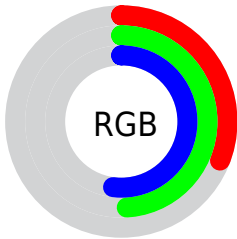
Format	Color
R_{YB}	80, 104, 133
Decimal	5274757
CIE _{Lab}	49.27, -12.65, -9.69
CIE _{LCh}	49, 15.933, 217.462
Yxy	17.8142, 0.2569, 0.3103
Android (android.graphics.Color)	4283464837 (0xFF507C85)
YUV	111.8700, 10.4171, -27.9500
Hunter-Lab	42.2069, -11.4835, -5.3651

Details

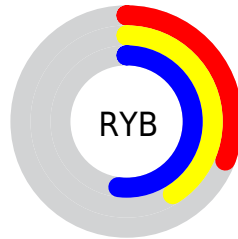
The XYZ color **14.7496, 17.8142, 24.8514** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **14.6936, 12.7110, 9.2691**, and the grayscale version is **15.3400, 16.1389, 17.5753**.

A 20% lighter version of the original color is **34.1008, 39.8950, 52.3576**, and **4.6230, 5.9335, 9.2891** is the 20% darker color. If you saturate the color by 10%, you get **13.4562, 16.7325, 24.7111**, and if you desaturate by 10%, it is **16.2729, 19.0249, 25.0051**.

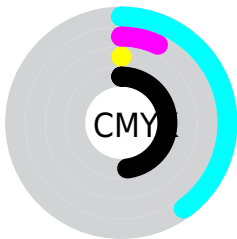
Distribution



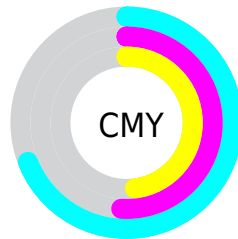
- Red (31%)
- Green (49%)
- Blue (52%)



- Red (31%)
- Yellow (41%)
- Blue (52%)



- Cyan (40%)
- Magenta (7%)
- Yellow (0%)
- Black (48%)



- Cyan (69%)
- Magenta (51%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.7496, 17.8142, 24.8514 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 14.7496, 17.8142, 24.8514 by changing the saturation by 10% instead.

■ 14.7496, 17.8142,
24.8514

■ 14.7496, 17.8142,
24.8514

215.2641,
239.8217, 290.5210

■ 8.7290, 10.8167,
15.7484

■ 33.9886, 39.7205,
52.3772

■ 4.6205, 5.9437,
9.1938

■ 47.9377, 55.3980,
71.6370

■ 2.0588, 2.8109,
4.7693

■ 65.2603, 74.7377,
95.1195

■ 0.6667, 1.0338,
2.0562

■ 86.3219, 98.1239,
123.2432

■ 0.0000, 0.0000,
0.5895

■ 111.4877,
125.9410, 156.4267

■ 0.0000, 0.0000,
0.0000

141.1231,

158.5734, 195.0885

175.5934,
196.4055, 239.6471

■ 14.7496, 17.8142,
24.8514

■ 14.7496, 17.8142,
24.8514

■ 13.4562, 16.7325,
24.7111

■ 16.2729, 19.0249,
25.0051

■ 12.3779, 15.7708,
24.5823

■ 18.0365, 20.3687,
25.1715

■ 11.5006, 14.9222,
24.4647

■ 20.0524, 21.8524,
25.3517

■ 10.8077, 14.1781,
24.3576

■ 22.3311, 23.4813,
25.5460

■ 10.2800, 13.5286,
24.2601

■ 24.8825, 25.2607,
25.7550

■ 9.8611, 12.9444,
24.1694

■ 27.7160, 27.1955,
25.9791

■ 9.8548, 12.9357,
24.1680

■ 30.8406, 29.2903,
26.2187

■ 34.2649, 31.5497,
26.4744

■ 37.9970, 33.9778,
26.7463

Harmonies

Analogous

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



14.2367, 17.8142, 20.4863



14.7496, 17.8142, 24.8514



15.8530, 17.8142, 28.0443

Triad

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



14.7496, 17.8142, 24.8514



19.7302, 17.8142, 22.7289



16.5610, 17.8142, 12.3210

Complementary

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



14.7496, 17.8142, 24.8514



14.6936, 12.7110, 9.2691

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.



18.0586, 17.8142, 12.7390



14.7496, 17.8142, 24.8514



19.9473, 17.8142, 18.3463

Square

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



14.7496, 17.8142, 24.8514



18.7425, 17.8142, 26.6985



19.3194, 17.8142, 14.8049



15.2418, 17.8142, 13.5646

Rectangle

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



14.7496, 17.8142, 24.8514



16.8048, 17.8142, 28.8460



19.3194, 17.8142, 14.8049



17.0596, 17.8142, 12.2755

Sweetspot

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



14.7501, 17.8149, 24.8518



34.9914, 38.4649, 45.3186



13.4925, 19.1994, 12.4099



7.7957, 8.6018, 10.2021



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



14.7501, 17.8149, 24.8518



24.2586, 30.1031, 44.2703



11.8790, 12.0727, 23.8948



4.7362, 5.1479, 5.9448



9.3918, 12.3314, 23.0219



0.0369, 0.0515, 0.0812

Inverse Universe

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



16.1801, 12.1797, 20.5676



27.2738, 18.7831, 35.1107



17.2901, 17.9039, 10.1346



4.8249, 4.7496, 5.6900



11.9187, 5.8318, 14.6758



0.0435, 0.0211, 0.0626

Previews

White Background



This preview shows how the XYZ color 14.7496, 17.8142, 24.8514 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 14.7496, 17.8142, 24.8514 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

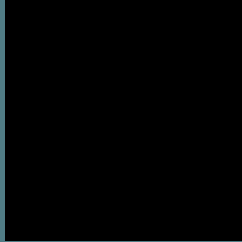
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

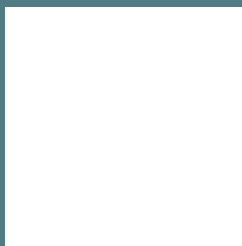
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 14.7496, 17.8142, 24.8514

Background



This preview shows how black text looks on a background with the XYZ color 14.7496, 17.8142, 24.8514.

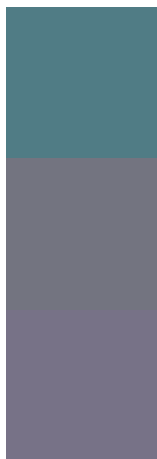


This preview shows how white text looks on a background with the XYZ color 14.7496, 17.8142,

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

14.7496, 17.8142, 24.8514

Protanopia

17.2119, 17.6941, 22.9302

Deuteranopia

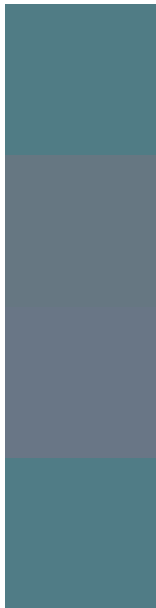
17.9982, 17.7058, 25.3906



Tritanopia

14.8190, 17.8420, 25.2171

Trichromacy



Original Color

14.7496, 17.8142, 24.8514

Protanomaly

16.1056, 17.6301, 23.6732

Deuteranomaly

16.6072, 17.6814, 25.0918

Tritanomaly

14.8190, 17.8420, 25.2171

Monochromacy



Original Color

14.7496, 17.8142, 24.8514

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

14.8911, 16.5562, 20.1801

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.7496, 17.8142, 24.8514 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(80, 124, 133) looks like.

```
.text, #text, p{  
  color:rgb(80, 124, 133)  
}
```

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(80, 124, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 124, 133) }
```

Border

The CSS property to change the border of an element to XYZ 14.7496, 17.8142, 24.8514 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(80, 124, 133) }
```


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

```
.border{ border-color:rgb(80, 124, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 124, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 124, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 124, 133);  
box-shadow:4px 4px 4px 4px rgb(80, 124,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 14.7496, 17.8142, 24.8514 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 124, 133) }
```

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

```
.background{ background-color: rgb(80, 124,  
133) }
```

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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