

Converting Colors

XYZ(13.4996, 14.9602, 28.6594)

Have a look what the booklet for
XYZ(13.4996, 14.9602, 28.6594)
contains.

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Color

**XYZ(13.5007, 14.9797,
28.5654)**

Conversions

Conversions Part 1

Format	Color
Hex	487090
RGB	72, 112, 144
RGB Percent	28%, 44%, 56%
CMY	0.7176, 0.5608, 0.4353
CMYK	0.50, 0.22, 0.00, 0.44
HSL	207°, 33%, 42%
HSV	207°, 50%, 56%
XYZ	13.5007, 14.9797, 28.5654
YIQ	103.6880, -34.1120, 1.4720

Conversions

Conversions Part 2

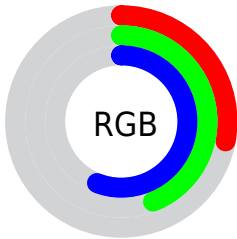
Format	Color
RYB	72, 98, 144
Decimal	4747408
CIELab	45.61, -4.66, -21.82
CIElCh	46, 22.308, 257.933
Yxy	14.9797, 0.2367, 0.2626
Android (android.graphics.Color)	4282937488 (0xFF487090)
YUV	103.6880, 19.8738, -27.7904
Hunter-Lab	38.7036, -5.4665, -16.6668

Details

The XYZ color **13.5007, 14.9797, 28.5654** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **17.6220, 16.2983, 8.3485**, and the grayscale version is **13.0304, 13.7090, 14.9291**.

A 20% lighter version of the original color is **31.9259, 34.9881, 58.4968**, and **4.0062, 4.5587, 11.0247** is the 20% darker color. If you saturate the color by 10%, you get **11.8691, 13.1276, 28.2942**, and if you desaturate by 10%, it is **15.4349, 17.0630, 28.8659**.

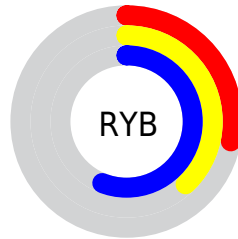
Distribution



Red (28%)

Green (44%)

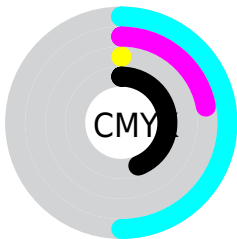
Blue (56%)



Red (28%)

Yellow (38%)

Blue (56%)

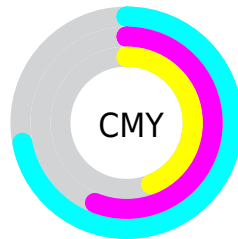


Cyan (50%)

Magenta (22%)

Yellow (0%)

Black (44%)



Cyan (72%)

Magenta (56%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.5007, 14.9797, 28.5654 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 13.5007, 14.9797, 28.5654 by changing the saturation by 10% instead.

■ 13.5007, 14.9797,
28.5654

■ 13.5007, 14.9797,
28.5654

207.6755,
223.2433, 309.1553

■ 7.8536, 8.8051,
18.5096

■ 31.7941, 34.8176,
58.4198

■ 4.0524, 4.6143,
11.1432

■ 45.1712, 49.2497,
79.0554

■ 1.7318, 2.0228,
6.0479

■ 61.8556, 67.2030,
104.0547

■ 0.4761, 0.6207,
2.8050

■ 82.2127, 89.0621,
133.8363

■ 0.0000, 0.0000,
0.9959

■ 106.6079,
115.2113, 168.8185

■ 0.0000, 0.0000,
0.0000

135.4066,

146.0350, 209.4201

168.9740,
181.9175, 256.0595

■ 13.5007, 14.9797,
28.5654

■ 13.5007, 14.9797,
28.5654

■ 11.8691, 13.1276,
28.2942

■ 15.4349, 17.0630,
28.8659

■ 10.5199, 11.4936,
28.0499

■ 17.6875, 19.3861,
29.1955

■ 9.4322, 10.0660,
27.8317

■ 20.2745, 21.9592,
29.5558

■ 8.5815, 8.8302,
27.6380

■ 23.2108, 24.7911,
29.9477

■ 7.9029, 7.7513,
27.4655

■ 26.5098, 27.8903,
30.3720

■ 7.9028, 7.7511,
27.4655

■ 30.1847, 31.2649,
30.8297

■ 34.2477, 34.9225,
31.3215

■ 38.7105, 38.8703,
31.8483

■ 43.5843, 43.1154,
32.4108

Harmonies

Analogous

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



11.9664, 14.9797, 25.1908



13.5007, 14.9797, 28.5654



15.3715, 14.9797, 28.1717

Triad

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



13.5007, 14.9797, 28.5654



17.9319, 14.9797, 13.3463



11.7366, 14.9797, 10.3484

Complementary

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



13.5007, 14.9797, 28.5654



17.6220, 16.2983, 8.3485

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.



13.1612, 14.9797, 8.3565



13.5007, 14.9797, 28.5654



16.7798, 14.9797, 9.8089

Square

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



13.5007, 14.9797, 28.5654



18.0430, 14.9797, 18.5544



15.0012, 14.9797, 8.1834



11.0091, 14.9797, 14.2549

Rectangle

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



13.5007, 14.9797, 28.5654



16.5595, 14.9797, 25.8328



15.0012, 14.9797, 8.1834



12.1438, 14.9797, 9.4733

Sweetspot

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



13.5012, 14.9803, 28.5658



38.1101, 41.0155, 52.4462



15.1044, 22.3079, 16.3950



8.5186, 9.1919, 11.9974



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



13.5012, 14.9803, 28.5658



20.6147, 22.7782, 49.8481



10.3469, 8.6717, 27.5143



5.3624, 5.7205, 6.8503



6.9055, 6.7970, 23.9251



0.0880, 0.1090, 0.2361

Inverse Universe

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



16.7440, 11.7344, 16.7123



27.2461, 17.2092, 25.3689



21.9333, 24.9208, 9.7856



5.5264, 5.4711, 6.2699



11.2887, 5.6725, 7.1716



0.1190, 0.0587, 0.1271

Previews

White Background



This preview shows how the XYZ color 13.5007, 14.9797, 28.5654 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 13.5007, 14.9797, 28.5654 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

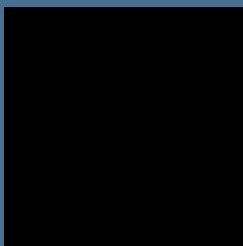
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

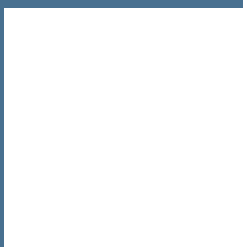
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.5007, 14.9797, 28.5654

Background



This preview shows how black text looks on a background with the XYZ color 13.5007, 14.9797, 28.5654.

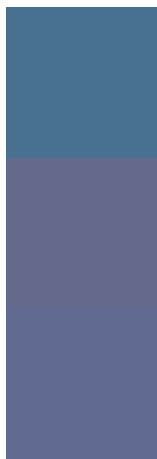


This preview shows how white text looks on a background with the XYZ color 13.5007, 14.9797,

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

13.5007, 14.9797, 28.5654

Protanopia

15.0332, 14.8542, 26.8857

Deuteranopia

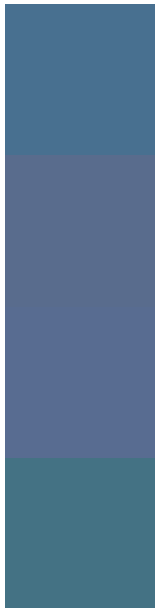
15.1946, 14.8938, 28.8620



Tritanopia

12.0792, 14.9004, 21.6415

Trichromacy



Original Color

13.5007, 14.9797, 28.5654

Protanomaly

14.2901, 14.7721, 27.2974

Deuteranomaly

14.4979, 14.8442, 28.8892

Tritanomaly

12.5661, 14.9295, 24.0492

Monochromacy



Original Color

13.5007, 14.9797, 28.5654

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

13.0011, 14.1226, 19.4935

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.5007, 14.9797, 28.5654 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, 112, 144)` looks like.

```
.text, #text, p{  
    color:rgb(72, 112, 144)  
}
```

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, 112, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 112, 144) }
```

Border

The CSS property to change the border of an element to XYZ 13.5007, 14.9797, 28.5654 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, 112, 144) }
```


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

```
.border{ border-color:rgb(72, 112, 144) }
```

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

Here you see how a box with a 4 pixel rgb(72, 112, 144) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 112, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 112, 144);  
box-shadow:4px 4px 4px 4px rgb(72, 112,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 13.5007, 14.9797, 28.5654 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 112, 144) }
```

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

```
.background{ background-color: rgb(72, 112,  
144) }
```

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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