

Converting Colors

XYZ(13.3103, 14.2571, 32.1874)

Have a look what the booklet for
XYZ(13.3103, 14.2571, 32.1874)
contains.

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Color

**XYZ(13.3328, 14.3272,
32.1997)**

Conversions

Conversions Part 1

Format	Color
Hex	406D99
RGB	64, 109, 153
RGB Percent	25%, 43%, 60%
CMY	0.7490, 0.5725, 0.4000
CMYK	0.58, 0.29, 0.00, 0.40
HSL	210°, 41%, 43%
HSV	210°, 58%, 60%
XYZ	13.3328, 14.3272, 32.1997
YIQ	100.5610, -40.9440, 4.1440

Conversions

Conversions Part 2

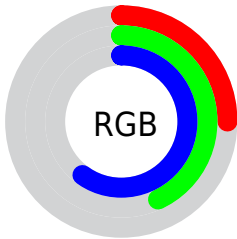
Format	Color
R_{YB}	64, 94, 153
Decimal	4222361
CIE _{Lab}	44.70, -1.84, -28.60
CIE _{LCh}	45, 28.654, 266.325
Yxy	14.3272, 0.2227, 0.2393
Android (android.graphics.Color)	4282412441 (0xFF406D99)
YUV	100.5610, 25.8524, -32.0640
Hunter-Lab	37.8513, -3.3646, -23.9415

Details

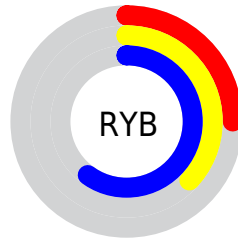
The XYZ color **13.3328, 14.3272, 32.1997** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **19.4255, 17.8686, 7.2764**, and the grayscale version is **12.2005, 12.8358, 13.9782**.

A 20% lighter version of the original color is **31.5637, 33.6176, 64.4998**, and **4.1209, 4.4046, 13.2033** is the 20% darker color. If you saturate the color by 10%, you get **11.6985, 12.3381, 31.9022**, and if you desaturate by 10%, it is **15.3105, 16.5970, 32.5339**.

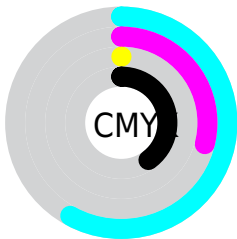
Distribution



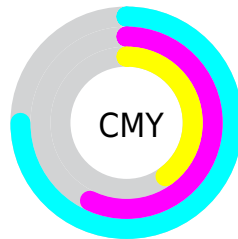
- Red (25%)
- Green (43%)
- Blue (60%)



- Red (25%)
- Yellow (37%)
- Blue (60%)



- Cyan (58%)
- Magenta (29%)
- Yellow (0%)
- Black (40%)



- Cyan (75%)
- Magenta (57%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.3328, 14.3272, 32.1997 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 13.3328, 14.3272, 32.1997 by changing the saturation by 10% instead.

■ 13.3328, 14.3272,
32.1997

■ 13.3328, 14.3272,
32.1997

206.6344,
219.2570, 326.5487

■ 7.7367, 8.3486,
21.2480

■ 31.4966, 33.6685,
64.2256

■ 3.9773, 4.3188,
13.1124

■ 44.7951, 47.7999,
86.1368

■ 1.6893, 1.8534,
7.3743

■ 61.3917, 65.4178,
112.5383

■ 0.4496, 0.5202,
3.6153

■ 81.6518, 86.9065,
143.8486

■ 0.0000, 0.0000,
1.4168

■ 105.9408,
112.6503, 180.4863

■ 0.0000, 0.0000,
0.1548

134.6240,

■ 0.0000, 0.0000,

143.0337, 222.8698

0.0000

168.0667,
178.4412, 271.4177

■ 13.3328, 14.3272,
32.1997

■ 13.3328, 14.3272,
32.1997

■ 11.6985, 12.3381,
31.9022

■ 15.3105, 16.5970,
32.5339

■ 10.3815, 10.6128,
31.6386

■ 17.6522, 19.1597,
32.9051

■ 9.3537, 9.1345,
31.4074

■ 20.3783, 22.0286,
33.3152

■ 8.5625, 7.8732,
31.2057

■ 23.5074, 25.2156,
33.7654

■ 8.4288, 7.6579,
31.1711

■ 27.0566, 28.7318,
34.2570

■ 31.0421, 32.5877,
34.7912

■ 35.4792, 36.7933,
35.3691

■ 40.3823, 41.3581,
35.9918

■ 45.7653, 46.2914,
36.6603

Harmonies

Analogous

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



11.2843, 14.3272, 28.8779



13.3328, 14.3272, 32.1997



15.6997, 14.3272, 30.1339

Triad

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



13.3328, 14.3272, 32.1997



18.0343, 14.3272, 10.5795



10.2232, 14.3272, 9.5189

Complementary

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



13.3328, 14.3272, 32.1997



19.4255, 17.8686, 7.2764

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.



11.7282, 14.3272, 6.7028



13.3328, 14.3272, 32.1997



16.2522, 14.3272, 7.1815

Square

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



13.3328, 14.3272, 32.1997



18.5884, 14.3272, 16.4357



13.9064, 14.3272, 5.9882



9.6228, 14.3272, 14.7929

Rectangle

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



13.3328, 14.3272, 32.1997



17.1168, 14.3272, 26.2273



13.9064, 14.3272, 5.9882



10.6311, 14.3272, 8.3187

Sweetspot

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



13.3333, 14.3277, 32.2001



42.5978, 45.6585, 60.5398



16.1609, 24.9348, 17.8764



9.1688, 9.8437, 13.3343



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



13.3333, 14.3277, 32.2001



20.1321, 21.0520, 56.9743



9.7829, 7.2270, 31.0166



6.1296, 6.5166, 7.8637



6.9997, 6.3960, 25.7733



0.1410, 0.1684, 0.3974

Inverse Universe

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



17.7311, 11.5439, 15.7621



29.1589, 16.9391, 22.8748



25.2126, 29.4427, 9.2054



6.3325, 6.2722, 7.1313



11.9919, 6.0510, 6.4822



0.1976, 0.0978, 0.1936

Previews

White Background



This preview shows how the XYZ color 13.3328, 14.3272, 32.1997 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 13.3328, 14.3272, 32.1997 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

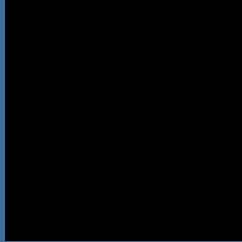
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.3328, 14.3272, 32.1997

Background



This preview shows how black text looks on a background with the XYZ color 13.3328, 14.3272, 32.1997.

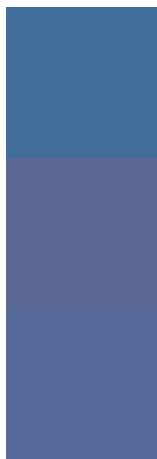


This preview shows how white text looks on a background with the XYZ color 13.3328, 14.3272,

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

13.3328, 14.3272, 32.1997

Protanopia

14.6895, 14.2947, 30.4187

Deuteranopia

14.6306, 14.3675, 32.5739



Tritanopia

11.1850, 14.4468, 21.2678

Trichromacy



Original Color

13.3328, 14.3272, 32.1997

Protanomaly

14.0524, 14.2594, 30.8659

Deuteranomaly

14.0473, 14.2189, 32.5760

Tritanomaly

11.9092, 14.4003, 25.0735

Monochromacy



Original Color

13.3328, 14.3272, 32.1997

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.3650, 13.3314, 19.6908

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.3328, 14.3272, 32.1997 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(64, 109, 153)` looks like.

```
.text, #text, p{  
    color:rgb(64, 109, 153)  
}
```

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(64, 109, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 109, 153) }
```

Border

The CSS property to change the border of an element to XYZ 13.3328, 14.3272, 32.1997 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(64, 109, 153) }
```


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

```
.border{ border-color:rgb(64, 109, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 109, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 109, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 109, 153);  
box-shadow:4px 4px 4px 4px rgb(64, 109,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 13.3328, 14.3272, 32.1997 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 109, 153) }
```

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

```
.background{ background-color: rgb(64, 109,  
153) }
```

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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