

Converting Colors

XYZ(13.7427, 13.5053, 33.3357)

Have a look what the booklet for
XYZ(13.7427, 13.5053, 33.3357)
contains.

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Color

**XYZ(13.7326, 13.4395,
33.3228)**

Conversions

Conversions Part 1

Format	Color
Hex	4C669C
RGB	76, 102, 156
RGB Percent	30%, 40%, 61%
CMY	0.7019, 0.6000, 0.3882
CMYK	0.51, 0.35, 0.00, 0.39
HSL	221°, 34%, 45%
HSV	221°, 51%, 61%
XYZ	13.7326, 13.4395, 33.3228
YIQ	100.3820, -32.8300, 11.2820

Conversions

Conversions Part 2

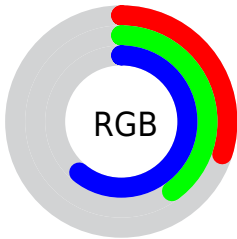
Format	Color
R_{YB}	76, 96, 156
Decimal	5007004
CIE Lab	43.42, 6.25, -32.33
CIE LCh	43, 32.934, 280.946
Yxy	13.4395, 0.2270, 0.2222
Android (android.graphics.Color)	4283197084 (0xFF4C669C)
YUV	100.3820, 27.4197, -21.3830
Hunter-Lab	36.6599, 2.7102, -28.2309

Details

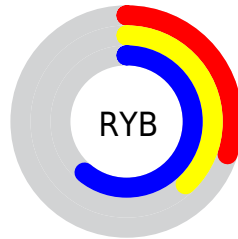
The XYZ color **13.7326, 13.4395, 33.3228** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **22.9981, 23.5559, 10.1728**, and the grayscale version is **12.1492, 12.7819, 13.9195**.

A 20% lighter version of the original color is **32.2024, 32.1527, 66.1369**, and **4.1623, 3.9564, 13.6410** is the 20% darker color. If you saturate the color by 10%, you get **11.6702, 10.9366, 32.9486**, and if you desaturate by 10%, it is **16.2280, 16.3613, 33.7555**.

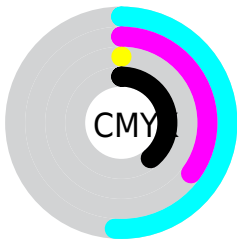
Distribution



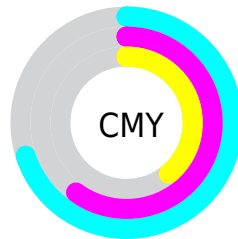
- Red (30%)
- Green (40%)
- Blue (61%)



- Red (30%)
- Yellow (38%)
- Blue (61%)



- Cyan (51%)
- Magenta (35%)
- Yellow (0%)
- Black (39%)



- Cyan (70%)
- Magenta (60%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.7326, 13.4395, 33.3228 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 13.7326, 13.4395, 33.3228 by changing the saturation by 10% instead.

■ 13.7326, 13.4395,
33.3228

■ 13.7326, 13.4395,
33.3228

209.1050,
213.7155, 331.7783

■ 8.0154, 7.7319,
22.1007

■ 32.2041, 32.0911,
66.0010

■ 4.1567, 3.9239,
13.7319

■ 45.6890, 45.8039,
88.2941

■ 1.7911, 1.6311,
7.7978

■ 62.4939, 62.9539,
115.1148

■ 0.5123, 0.3784,
3.8799

■ 82.9841, 83.9255,
146.8813

■ 0.0000, 0.0000,
1.5597

■ 107.5249,
109.1031, 184.0124

■ 0.0000, 0.0000,
0.2618

136.4818,

■ 0.0000, 0.0000,

138.8710, 226.9266

0.0000

170.2200,
173.6136, 276.0424

■ 13.7326, 13.4395,
33.3228

■ 13.7326, 13.4395,
33.3228

■ 11.6702, 10.9366,
32.9486

■ 16.2280, 16.3613,
33.7555

■ 10.0124, 8.8298,
32.6294

■ 19.1794, 19.7201,
34.2483

■ 8.7292, 7.0963,
32.3624

■ 22.6100, 23.5345,
34.8037

■ 7.7854, 5.7097,
32.1445

■ 26.5409, 27.8218,
35.4241

■ 7.1715, 4.7416,
31.9900

■ 30.9917, 32.5981,
36.1114

■ 35.9811, 37.8787,
36.8677

■ 41.5269, 43.6785,
37.6949

■ 47.6460, 50.0114,
38.5947

■ 54.3544, 56.8910,
39.5690

Harmonies

Analogous

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



11.2317, 13.4395, 32.4369



13.7326, 13.4395, 33.3228



16.2831, 13.4395, 28.0910

Triad

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



13.7326, 13.4395, 33.3228



16.8691, 13.4395, 7.1962



8.6592, 13.4395, 10.4927

Complementary

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



13.7326, 13.4395, 33.3228



22.9981, 23.5559, 10.1728

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.



9.8089, 13.4395, 6.3525



13.7326, 13.4395, 33.3228



14.4510, 13.4395, 4.9366

Square

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



13.7326, 13.4395, 33.3228



18.2485, 13.4395, 12.1137



11.8608, 13.4395, 4.6905



8.5208, 13.4395, 17.4801

Rectangle

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



13.7326, 13.4395, 33.3228



17.5839, 13.4395, 22.6126



11.8608, 13.4395, 4.6905



8.9322, 13.4395, 8.7940

Sweetspot

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



13.7331, 13.4400, 33.3231



45.2259, 47.2988, 63.8727



18.8541, 26.9077, 25.0858



9.6454, 10.0737, 14.0064



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



13.7331, 13.4400, 33.3231



20.5539, 19.0634, 59.7230



12.7377, 9.7103, 32.6557



6.4520, 6.7698, 8.3733



5.9358, 3.9631, 26.3593



0.1423, 0.1433, 0.4834

Inverse Universe

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



18.6935, 13.1967, 14.1327



30.8995, 19.5411, 19.4777



24.4635, 30.1090, 11.3604



6.7175, 6.6799, 7.3635



11.7943, 6.0223, 3.1679



0.2292, 0.1150, 0.1529

Previews

White Background



This preview shows how the XYZ color 13.7326, 13.4395, 33.3228 looks on a white background.

Color Contrast Check

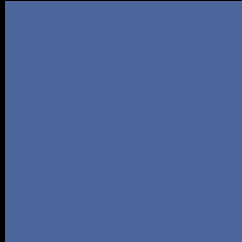
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.7326, 13.4395, 33.3228 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

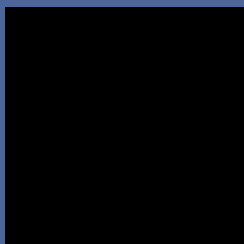
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

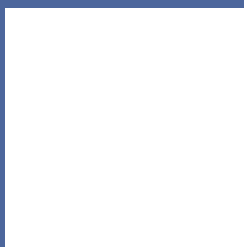
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.7326, 13.4395, 33.3228

Background



This preview shows how black text looks on a background with the XYZ color 13.7326, 13.4395, 33.3228.

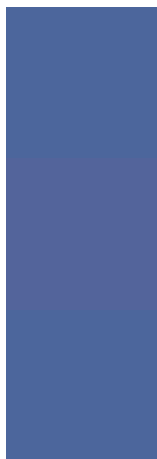


This preview shows how white text looks on a background with the XYZ color 13.7326, 13.4395,

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

13.7326, 13.4395, 33.3228

Protanopia

14.0408, 13.3199, 32.8413

Deuteranopia

13.7326, 13.4395, 33.3228



Tritanopia

10.9603, 13.5499, 19.1773

Trichromacy



Original Color

13.7326, 13.4395, 33.3228

Protanomaly

13.8783, 13.3794, 32.8614

Deuteranomaly

13.7326, 13.4395, 33.3228

Tritanomaly

11.8064, 13.4103, 23.7960

Monochromacy



Original Color

13.7326, 13.4395, 33.3228

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

12.3582, 12.8876, 19.6055

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.7326, 13.4395, 33.3228 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(76, 102, 156)` looks like.

```
.text, #text, p{  
    color:rgb(76, 102, 156)  
}
```

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(76, 102, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 102, 156) }
```

Border

The CSS property to change the border of an element to XYZ 13.7326, 13.4395, 33.3228 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(76, 102, 156) }
```


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

```
.border{ border-color:rgb(76, 102, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 102, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 102, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 102, 156);  
box-shadow:4px 4px 4px 4px rgb(76, 102,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 13.7326, 13.4395, 33.3228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 102, 156) }
```

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

```
.background{ background-color: rgb(76, 102,  
156) }
```

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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