

Converting Colors

XYZ(13.3761, 14.2354, 22.2927)

Have a look what the booklet for
XYZ(13.3761, 14.2354, 22.2927)
contains.

XYZ(13.4684, 14.2980, 22.4720)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(13.4684, 14.2980,
22.4720)**

Conversions

Conversions Part 1

Format	Color
Hex	5B6B80
RGB	91, 107, 128
RGB Percent	36%, 42%, 50%
CMY	0.6431, 0.5804, 0.4980
CMYK	0.29, 0.16, 0.00, 0.50
HSL	214°, 17%, 43%
HSV	214°, 29%, 50%
XYZ	13.4684, 14.2980, 22.4720
YIQ	104.6100, -16.2770, 3.1390

Conversions

Conversions Part 2

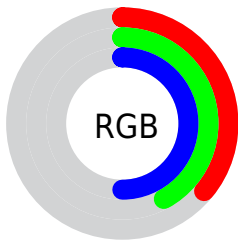
Format	Color
R_{YB}	91, 102, 128
Decimal	5991296
CIE Lab	44.66, -0.78, -13.61
CIE LCh	45, 13.634, 266.716
Yxy	14.2980, 0.2681, 0.2846
Android (android.graphics.Color)	4284181376 (0xFF5B6B80)
YUV	104.6100, 11.5313, -11.9360
Hunter-Lab	37.8127, -2.5928, -8.7670

Details

The XYZ color **13.4684, 14.2980, 22.4720** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.5850, 16.9333, 12.2925**, and the grayscale version is **13.2953, 13.9877, 15.2326**.

A 20% lighter version of the original color is **31.7227, 33.5407, 48.5181**, and **4.0658, 4.3317, 8.0189** is the 20% darker color. If you saturate the color by 10%, you get **11.5868, 12.2507, 22.1763**, and if you desaturate by 10%, it is **15.6298, 16.5847, 22.7997**.

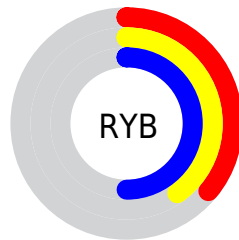
Distribution



Red (36%)

Green (42%)

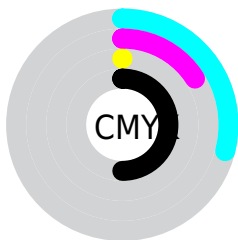
Blue (50%)



Red (36%)

Yellow (40%)

Blue (50%)

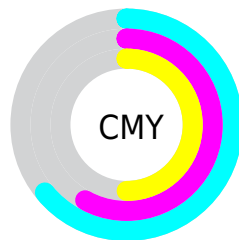


Cyan (29%)

Magenta (16%)

Yellow (0%)

Black (50%)



Cyan (64%)

Magenta (58%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.4684, 14.2980, 22.4720 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 13.4684, 14.2980, 22.4720 by changing the saturation by 10% instead.

■ 13.4684, 14.2980,
22.4720

■ 13.4684, 14.2980,
22.4720

207.4756,
219.0769, 278.0348

■ 7.8311, 8.3282,
14.0025

■ 31.7370, 33.6169,
48.4370

■ 4.0379, 4.3057,
7.9836

■ 45.0989, 47.7347,
66.7697

■ 1.7236, 1.8460,
3.9969

■ 61.7665, 65.3374,
89.2271

■ 0.4710, 0.5156,
1.6236

■ 82.1050, 86.8093,
116.2278

■ 0.0000, 0.0000,
0.3076

106.4798,
112.5348, 148.1904

■ 0.0000, 0.0000,
0.0000

135.2563,

142.8983, 185.5334

168.7998,
178.2842, 228.6754

■ 13.4684, 14.2980,
22.4720

■ 13.4684, 14.2980,
22.4720

■ 11.5868, 12.2507,
22.1763

■ 15.6298, 16.5847,
22.7997

■ 9.9712, 10.4325,
21.9104

■ 18.0813, 19.1173,
23.1593

■ 8.6085, 8.8343,
21.6738

■ 20.8344, 21.9042,
23.5522

■ 7.4840, 7.4463,
21.4651

■ 23.8993, 24.9529,
23.9791

■ 6.5811, 6.2571,
21.2832

■ 27.2860, 28.2704,
24.4409

■ 5.8810, 5.2544,
21.1265

■ 31.0038, 31.8636,
24.9385

■ 5.3352, 4.4102,
20.9924

■ 35.0618, 35.7390,
25.4727

■ 5.2793, 4.3244,
20.9788

■ 39.4685, 39.9030,
26.0441

■ 44.2325, 44.3616,
26.6537

Harmonies

Analogous

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



12.4562, 14.2980, 21.2326



13.4684, 14.2980, 22.4720



14.5681, 14.2980, 21.6645

Triad

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



13.4684, 14.2980, 22.4720



15.5786, 14.2980, 12.9882



11.8890, 14.2980, 12.4601

Complementary

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



13.4684, 14.2980, 22.4720



16.5850, 16.9333, 12.2925

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.



12.6563, 14.2980, 10.7383



13.4684, 14.2980, 22.4720



14.7902, 14.2980, 11.0129

Square

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



13.4684, 14.2980, 22.4720



15.8247, 14.2980, 15.9195



13.7120, 14.2980, 10.2464



11.5760, 14.2980, 15.2219

Rectangle

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



13.4684, 14.2980, 22.4720



15.1969, 14.2980, 20.1267



13.7120, 14.2980, 10.2464



12.1002, 14.2980, 11.7557

Sweetspot

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



13.4688, 14.2986, 22.4723



31.6964, 33.5172, 40.7552



14.9568, 18.8319, 18.1666



7.2880, 7.7110, 9.5226



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



13.4688, 14.2986, 22.4723



21.3759, 22.6426, 39.2001



12.1995, 11.3929, 21.9784



4.2499, 4.4938, 5.4567



5.2361, 4.2906, 20.8021



0.0000, 0.0000, 0.0000

Inverse Universe

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



15.2974, 13.1334, 15.6392



25.2299, 20.4384, 24.7418



18.1433, 20.5942, 12.9169



4.3990, 4.3727, 4.9054



9.5199, 4.8276, 4.0615



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 13.4684, 14.2980, 22.4720 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 13.4684, 14.2980, 22.4720 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

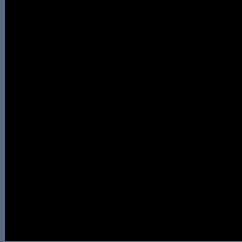
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

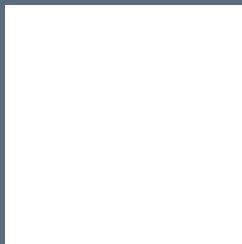
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.4684, 14.2980, 22.4720

Background



This preview shows how black text looks on a background with the XYZ color 13.4684, 14.2980, 22.4720.

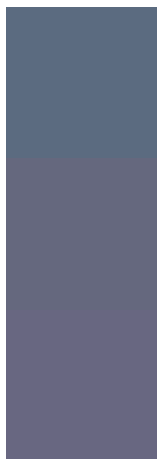


This preview shows how white text looks on a background with the XYZ color 13.4684, 14.2980,

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

13.4684, 14.2980, 22.4720

Protanopia

14.0830, 14.1737, 21.7322

Deuteranopia

14.5216, 14.2285, 22.7499



Tritanopia

12.8585, 14.3691, 19.2353

Trichromacy



Original Color

13.4684, 14.2980, 22.4720

Protanomaly

13.8121, 14.1768, 22.0871

Deuteranomaly

14.0584, 14.1383, 22.7569

Tritanomaly

13.0919, 14.3039, 20.4833

Monochromacy



Original Color

13.4684, 14.2980, 22.4720

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

13.3902, 14.2096, 17.6598

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4684, 14.2980, 22.4720 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(91, 107, 128) looks like.

```
.text, #text, p{  
    color:rgb(91, 107, 128)  
}
```

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(91, 107, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 107, 128) }
```

Border

The CSS property to change the border of an element to XYZ 13.4684, 14.2980, 22.4720 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(91, 107, 128) }
```


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

```
.border{ border-color:rgb(91, 107, 128) }
```

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

Here you see how a box with a 4 pixel rgb(91, 107, 128) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 107, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 107, 128);  
box-shadow:4px 4px 4px 4px rgb(91, 107,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 13.4684, 14.2980, 22.4720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 107, 128) }
```

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

```
.background{ background-color: rgb(91, 107,  
128) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor