

Converting Colors

XYZ(13.2199, 14.8877, 33.6282)

Have a look what the booklet for
XYZ(13.2199, 14.8877, 33.6282)
contains.

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Color

**XYZ(13.2213, 14.8887,
33.6295)**

Conversions

Conversions Part 1

Format	Color
Hex	32719C
RGB	50, 113, 156
RGB Percent	20%, 44%, 61%
CMY	0.8039, 0.5569, 0.3882
CMYK	0.68, 0.28, 0.00, 0.39
HSL	204°, 51%, 40%
HSV	204°, 68%, 61%
XYZ	13.2213, 14.8887, 33.6295
YIQ	99.0650, -51.3510, 0.0170

Conversions

Conversions Part 2

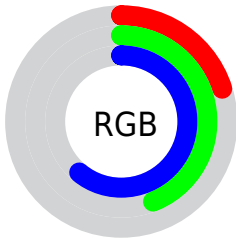
Format	Color
RYB	50, 90, 156
Decimal	3305884
CIELab	45.48, -5.94, -29.19
CIELCh	45, 29.787, 258.503
Yxy	14.8887, 0.2141, 0.2412
Android (android.graphics.Color)	4281495964 (0xFF32719C)
YUV	99.0650, 28.0690, -43.0300
Hunter-Lab	38.5859, -6.3630, -24.6641

Details

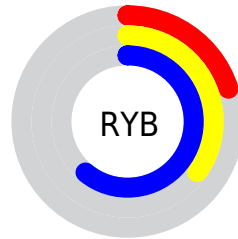
The XYZ color **13.2213, 14.8887, 33.6295** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **18.2011, 15.1280, 4.9790**, and the grayscale version is **11.8175, 12.4330, 13.5395**.

A 20% lighter version of the original color is **31.3973, 34.8016, 66.6906**, and **4.3890, 4.7801, 13.7880** is the 20% darker color. If you saturate the color by 10%, you get **11.8977, 13.1947, 33.3726**, and if you desaturate by 10%, it is **14.8573, 16.8173, 33.9158**.

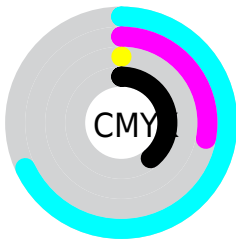
Distribution



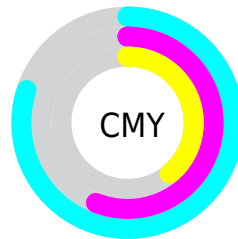
- Red (20%)
- Green (44%)
- Blue (61%)



- Red (20%)
- Yellow (35%)
- Blue (61%)



- Cyan (68%)
- Magenta (28%)
- Yellow (0%)
- Black (39%)



- Cyan (80%)
- Magenta (56%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.2213, 14.8887, 33.6295 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 13.2213, 14.8887, 33.6295 by changing the saturation by 10% instead.

■ 13.2213, 14.8887,
33.6295

■ 13.2213, 14.8887,
33.6295

205.9402,
222.6916, 333.1954

■ 7.6592, 8.7413,
22.3341

■ 31.2987, 34.6578,
66.4844

■ 3.9276, 4.5728,
13.9019

■ 44.5447, 49.0483,
88.8809

■ 1.6613, 1.9989,
7.9145

■ 61.0827, 66.9553,
115.8149

■ 0.4318, 0.6068,
3.9533

■ 81.2781, 88.7632,
147.7049

■ 0.0000, 0.0000,
1.5998

■ 105.4962,
114.8564, 184.9694

■ 0.0000, 0.0000,
0.2906

■ 134.1023,

■ 0.0000, 0.0000,

145.6192, 228.0269

0.0000

167.4618,
181.4362, 277.2961

■ 13.2213, 14.8887,
33.6295

■ 13.2213, 14.8887,
33.6295

■ 11.8977, 13.1947,
33.3726

■ 14.8573, 16.8173,
33.9158

■ 10.8559, 11.7174,
33.1423

■ 16.8292, 18.9934,
34.2319

■ 10.0451, 10.4293,
32.9364

■ 19.1595, 21.4302,
34.5795

■ 9.8902, 10.1792,
32.8963

■ 21.8686, 24.1395,
34.9596

■ 24.9751, 27.1323,
35.3736

■ 28.4961, 30.4188,
35.8223

■ 32.4480, 34.0085,
36.3069

■ 36.8460, 37.9106,
36.8283

■ 41.7048, 42.1339,
37.3874

Harmonies

Analogous

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



11.2191, 14.8887, 28.7526



13.2213, 14.8887, 33.6295



15.7203, 14.8887, 32.9313

Triad

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



13.2213, 14.8887, 33.6295



19.1759, 14.8887, 12.2495



10.8696, 14.8887, 8.7376

Complementary

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



13.2213, 14.8887, 33.6295



18.2011, 15.1280, 4.9790

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.



12.6903, 14.8887, 6.3982



13.2213, 14.8887, 33.6295



17.5543, 14.8887, 7.9786

Square

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



13.2213, 14.8887, 33.6295



19.3613, 14.8887, 19.0906



15.1238, 14.8887, 6.1684



9.9713, 14.8887, 13.6371

Rectangle

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



13.2213, 14.8887, 33.6295



17.3347, 14.8887, 29.4304



15.1238, 14.8887, 6.1684



11.3835, 14.8887, 7.6959

Sweetspot

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



13.2218, 14.8892, 33.6299



43.9100, 47.8985, 64.0578



15.1538, 25.2353, 14.2903



9.3341, 10.2251, 14.0520



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.



13.2218, 14.8892, 33.6299



20.4758, 22.3953, 60.3703



8.9643, 6.3742, 32.2107



6.5959, 7.0576, 8.4213



8.1810, 8.4536, 27.1078



0.1871, 0.2327, 0.4983

Inverse Universe

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



17.8321, 10.5420, 16.7182



30.0085, 15.9247, 24.8365



24.4731, 27.6720, 7.0697



6.7901, 6.7090, 7.7460



12.9276, 6.4756, 9.1358



0.2517, 0.1240, 0.2718

Previews

White Background



This preview shows how the XYZ color 13.2213, 14.8887, 33.6295 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 13.2213, 14.8887, 33.6295 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 13.2213, 14.8887, 33.6295

Background



This preview shows how black text looks on a background with the XYZ color 13.2213, 14.8887, 33.6295.



This preview shows how white text looks on a background with the XYZ color 13.2213, 14.8887,

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

13.2213, 14.8887, 33.6295

Protanopia

15.2751, 14.8898, 30.9231

Deuteranopia

15.1633, 14.7551, 34.3966



Tritanopia

10.9704, 14.8225, 22.7049

Trichromacy



Original Color

13.2213, 14.8887, 33.6295

Protanomaly

14.2780, 14.8240, 31.8145

Deuteranomaly

14.3021, 14.7881, 33.9989

Tritanomaly

11.6695, 14.7571, 26.2781

Monochromacy



Original Color

13.2213, 14.8887, 33.6295

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

11.7338, 13.0060, 19.6613

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.2213, 14.8887, 33.6295 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(50, 113, 156)` looks like.

```
.text, #text, p{  
  color:rgb(50, 113, 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(50, 113, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 113, 156) }
```

Border

The CSS property to change the border of an element to XYZ 13.2213, 14.8887, 33.6295 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(50, 113, 156) }
```


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

```
.border{ border-color:rgb(50, 113, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 113, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 113, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 113, 156);  
box-shadow:4px 4px 4px 4px rgb(50, 113,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 13.2213, 14.8887, 33.6295 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 113, 156) }
```

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

```
.background{ background-color: rgb(50, 113,  
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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