

Converting Colors

XYZ(13.3767, 14.6765, 32.2650)

Have a look what the booklet for
XYZ(13.3767, 14.6765, 32.2650)
contains.

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Color

**XYZ(13.3587, 14.6609,
32.2627)**

Conversions

Conversions Part 1

Format	Color
Hex	3D6F99
RGB	61, 111, 153
RGB Percent	24%, 44%, 60%
CMY	0.7608, 0.5647, 0.4000
CMYK	0.60, 0.27, 0.00, 0.40
HSL	207°, 43%, 42%
HSV	207°, 60%, 60%
XYZ	13.3587, 14.6609, 32.2627
YIQ	100.8380, -43.2820, 2.4620

Conversions

Conversions Part 2

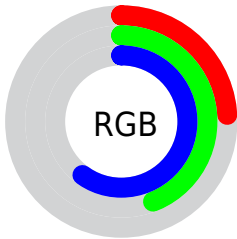
Format	Color
RYB	61, 93, 153
Decimal	4026265
CIELab	45.17, -3.68, -27.88
CIElCh	45, 28.118, 262.471
Yxy	14.6609, 0.2216, 0.2432
Android (android.graphics.Color)	4282216345 (0xFF3D6F99)
YUV	100.8380, 25.7159, -34.9379
Hunter-Lab	38.2896, -4.7305, -23.1549

Details

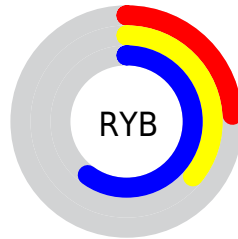
The XYZ color **13.3587, 14.6609, 32.2627** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **18.8301, 16.8107, 6.6679**, and the grayscale version is **12.2723, 12.9114, 14.0605**.

A 20% lighter version of the original color is **31.5080, 34.1077, 64.5973**, and **4.2317, 4.6261, 13.2403** is the 20% darker color. If you saturate the color by 10%, you get **11.8153, 12.7779, 31.9809**, and if you desaturate by 10%, it is **15.2315, 16.8027, 32.5777**.

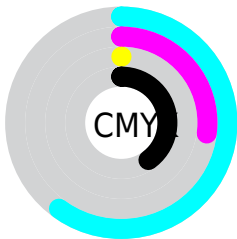
Distribution



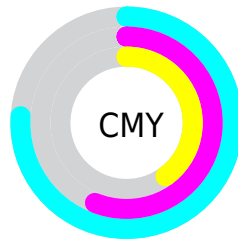
- Red (24%)
- Green (44%)
- Blue (60%)



- Red (24%)
- Yellow (36%)
- Blue (60%)



- Cyan (60%)
- Magenta (27%)
- Yellow (0%)
- Black (40%)



- Cyan (76%)
- Magenta (56%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.3587, 14.6609, 32.2627 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 13.3587, 14.6609, 32.2627 by changing the saturation by 10% instead.

■ 13.3587, 14.6609,
32.2627

■ 13.3587, 14.6609,
32.2627

206.7954,
221.3045, 326.8437

■ 7.7547, 8.5817,
21.2958

■ 31.5426, 34.2572,
64.3254

■ 3.9889, 4.4694,
13.1470

■ 44.8532, 48.5431,
86.2582

■ 1.6958, 1.9394,
7.3979

■ 61.4634, 66.3334,
112.6834

■ 0.4537, 0.5719,
3.6300

■ 81.7385, 88.0125,
144.0195

■ 0.0000, 0.0000,
1.4246

■ 106.0439,
113.9648, 180.6850

■ 0.0000, 0.0000,
0.1608

134.7449,

■ 0.0000, 0.0000,

144.5746, 223.0985

0.0000

168.2070,
180.2263, 271.6786

■ 13.3587, 14.6609,
32.2627

■ 13.3587, 14.6609,
32.2627

■ 11.8153, 12.7779,
31.9809

■ 15.2315, 16.8027,
32.5777

■ 10.5748, 11.1373,
31.7296

■ 17.4541, 19.2150,
32.9262

■ 9.6086, 9.7226,
31.5074

■ 20.0472, 21.9106,
33.3098

■ 8.8546, 8.5095,
31.3130

■ 23.0291, 24.9008,
33.7298

■ 26.4170, 28.1962,
34.1873

■ 30.2268, 31.8068,
34.6834

■ 34.4736, 35.7421,
35.2192

■ 39.1719, 40.0111,
35.7956

■ 44.3353, 44.6224,
36.4135

Harmonies

Analogous

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



11.3915, 14.6609, 28.3815



13.3587, 14.6609, 32.2627



15.7093, 14.6609, 30.9083

Triad

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



13.3587, 14.6609, 32.2627



18.4741, 14.6609, 11.5633



10.6896, 14.6609, 9.3800

Complementary

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



13.3587, 14.6609, 32.2627



18.8301, 16.8107, 6.6679

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.



12.2992, 14.6609, 6.8324



13.3587, 14.6609, 32.2627



16.8309, 14.6609, 7.8273

Square

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



13.3587, 14.6609, 32.2627



18.8386, 14.6609, 17.6954



14.5271, 14.6609, 6.3558



9.9656, 14.6609, 14.3480

Rectangle

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



13.3587, 14.6609, 32.2627



17.1672, 14.6609, 27.3554



14.5271, 14.6609, 6.3558



11.1359, 14.6609, 8.2757

Sweetspot

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



13.3592, 14.6614, 32.2631



42.2634, 45.5995, 60.5460



15.7344, 24.7422, 16.6219



8.9915, 9.7329, 13.3222



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.



13.3592, 14.6614, 32.2631



20.3699, 21.8688, 57.1195



9.5998, 7.1426, 31.0099



6.1486, 6.5546, 7.8701



7.3518, 7.1002, 25.8907



0.1463, 0.1788, 0.3992

Inverse Universe

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



17.6753, 11.2581, 16.2808



29.1957, 16.6349, 24.0515



24.6323, 28.4151, 8.6020



6.3421, 6.2760, 7.1818



12.1696, 6.1221, 7.4181



0.2003, 0.0989, 0.2075

Previews

White Background



This preview shows how the XYZ color 13.3587, 14.6609, 32.2627 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 13.3587, 14.6609, 32.2627 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

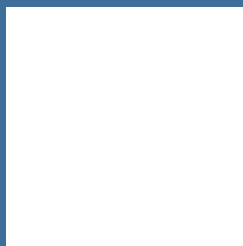
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.3587, 14.6609, 32.2627

Background



This preview shows how black text looks on a background with the XYZ color 13.3587, 14.6609, 32.2627.



This preview shows how white text looks on a background with the XYZ color 13.3587, 14.6609,

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

13.3587, 14.6609, 32.2627

Protanopia

14.9111, 14.5684, 30.0431

Deuteranopia

14.9172, 14.6674, 32.6167



Tritanopia

11.2779, 14.6501, 21.9720

Trichromacy



Original Color

13.3587, 14.6609, 32.2627

Protanomaly

14.1561, 14.4667, 30.9004

Deuteranomaly

14.3372, 14.6779, 32.6493

Tritanomaly

11.9294, 14.5691, 25.4759

Monochromacy



Original Color

13.3587, 14.6609, 32.2627

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.2795, 13.4377, 19.7158

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.3587, 14.6609, 32.2627 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(61, 111, 153)` looks like.

```
.text, #text, p{  
    color:rgb(61, 111, 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(61, 111, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 111, 153) }
```

Border

The CSS property to change the border of an element to XYZ 13.3587, 14.6609, 32.2627 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(61, 111, 153) }
```


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

```
.border{ border-color:rgb(61, 111, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 111, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 111, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 111, 153);  
box-shadow:4px 4px 4px 4px rgb(61, 111,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 13.3587, 14.6609, 32.2627 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 111, 153) }
```

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

```
.background{ background-color: rgb(61, 111,  
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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