

Converting Colors

XYZ(13.6669, 6.3219, 67.7253)

Have a look what the booklet for
XYZ(13.6669, 6.3219, 67.7253)
contains.

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Color

**XYZ(13.6336, 6.3181,
67.5188)**

Conversions

Conversions Part 1

Format	Color
Hex	1620DB
RGB	22, 32, 219
RGB Percent	9%, 13%, 86%
CMY	0.9136, 0.8745, 0.1412
CMYK	0.90, 0.85, 0.00, 0.14
HSL	237°, 82%, 47%
HSV	237°, 90%, 86%
XYZ	13.6336, 6.3181, 67.5188
YIQ	50.3280, -65.9870, 56.0370

Conversions

Conversions Part 2

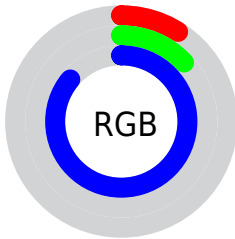
Format	Color
R_{YB}	22, 32, 219
Decimal	1450203
CIE _{Lab}	30.20, 62.59, -90.89
CIE _{LCh}	30, 110.359, 304.552
Yxy	6.3181, 0.1559, 0.0722
Android (android.graphics.Color)	4279640283 (0xFF1620DB)
YUV	50.3280, 83.1553, -24.8437
Hunter-Lab	25.1358, 52.8302, -141.6672

Details

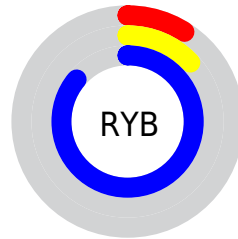
The XYZ color **13.6336, 6.3181, 67.5188** is a dark color, and the websafe version is hex **3300CC**. The color can be described as dark washed blue. A complement of this color would be **52.1684, 60.7376, 9.7346**, and the grayscale version is **2.9837, 3.1391, 3.4185**.

A 20% lighter version of the original color is **28.0827, 16.9839, 96.4058**, and **6.5216, 2.6086, 34.3422** is the 20% darker color. If you saturate the color by 10%, you get **12.9099, 5.3593, 67.3721**, and if you desaturate by 10%, it is **15.0854, 8.1752, 67.8010**.

Distribution



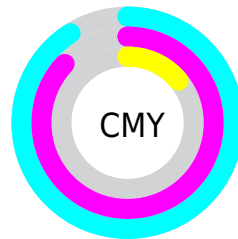
- Red (9%)
- Green (13%)
- Blue (86%)



- Red (9%)
- Yellow (13%)
- Blue (86%)



- Cyan (90%)
- Magenta (85%)
- Yellow (0%)
- Black (14%)



- Cyan (91%)
- Magenta (87%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.6336, 6.3181, 67.5188 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 13.6336, 6.3181, 67.5188 by changing the saturation by 10% instead.

■ 13.6336, 6.3181,
67.5188

■ 13.6336, 6.3181,
67.5188

208.4959,
161.8710, 470.3409

■ 7.9463, 3.0395,
49.0421

■ 32.0292, 18.5876,
117.3112

■ 4.1121, 1.1524,
34.2871

■ 45.4682, 28.3473,
149.4640

■ 1.7657, 0.0223,
22.8351

■ 62.2218, 41.0361,
187.0125

■ 0.4969, 0.0000,
14.2676

■ 82.6553, 57.0385,
230.3754

■ 0.0000, 0.0000,
8.1662

■ 107.1341, 76.7387,
279.9711


■ 0.0000, 0.0000,
4.1122


■ 136.0236,

■ 0.0000, 0.0000,


100.5213, 336.2183

1.6871


 169.6891,
128.7706, 399.5353

 0.0000, 0.0000,
0.3519


 0.0000, 0.0000,
0.0000


 13.6336, 6.3181,
67.5188


 13.6336, 6.3181,
67.5188


 12.9099, 5.3593,
67.3721

 15.0854, 8.1752,
67.8010

 12.9068, 5.3556,
67.3716

 17.4424, 11.1084,
68.2429

 20.8211, 15.2476,
68.8638

 25.3202, 20.7046,
69.6800

■ 31.0267, 27.5781,
70.7059

■ 38.0191, 35.9576,
71.9548

■ 46.3690, 45.9250,
73.4386

■ 56.1431, 57.5565,
75.1686

■ 67.4034, 70.9232,
77.1551

Harmonies

Analogous

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



6.8329, 6.3181, 92.8653



13.6336, 6.3181, 67.5188



20.2838, 6.3181, 27.9300

Triad

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



13.6336, 6.3181, 67.5188



11.3976, 6.3181, 0.0000



0.4923, 6.3181, 9.4074

Complementary

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



13.6336, 6.3181, 67.5188



52.1684, 60.7376, 9.7346

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.



0.7452, 6.3181, 0.3252



13.6336, 6.3181, 67.5188



5.2471, 6.3181, 0.0000

Square

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



13.6336, 6.3181, 67.5188



18.5517, 6.3181, 0.0000



1.9361, 6.3181, 0.0000



0.9645, 6.3181, 39.1753

Rectangle

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



13.6336, 6.3181, 67.5188



22.4347, 6.3181, 9.9665



1.9361, 6.3181, 0.0000



0.4960, 6.3181, 4.5063

Sweetspot

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



13.6341, 6.3181, 67.5190



56.6701, 54.3458, 102.1107



36.7879, 55.2840, 67.0412



11.3187, 10.6627, 21.7115



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



13.6341, 6.3181, 67.5190



18.1926, 7.5052, 95.0975



19.1835, 8.8392, 67.7132



12.3913, 12.7223, 16.4547



7.6768, 3.2230, 39.9559



0.5164, 0.2469, 2.5949

Inverse Universe

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



29.7617, 15.7394, 2.8355



41.3120, 21.2888, 2.3091



35.2521, 55.7607, 9.6655



13.0826, 13.0621, 13.6962



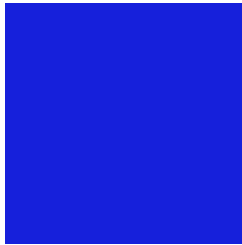
17.3702, 8.9491, 1.0637



1.1349, 0.5836, 0.1195

Previews

White Background



This preview shows how the XYZ color 13.6336, 6.3181, 67.5188 looks on a white background.

Color Contrast Check

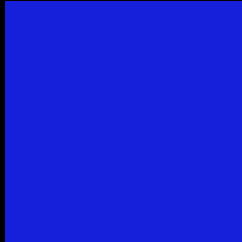
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the XYZ color 13.6336, 6.3181, 67.5188 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

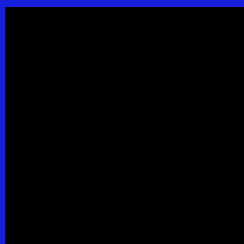
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.6336, 6.3181, 67.5188

Background



This preview shows how black text looks on a background with the XYZ color 13.6336, 6.3181, 67.5188.



This preview shows how white text looks on a background with the XYZ color 13.6336, 6.3181,

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

13.6336, 6.3181, 67.5188

Protanopia

7.1012, 6.1479, 27.1979

Deuteranopia

5.8954, 6.1702, 19.2926



Tritanopia

4.3573, 6.2165, 9.1539

Trichromacy



Original Color

13.6336, 6.3181, 67.5188

Protanomaly

8.8170, 5.7243, 39.1683

Deuteranomaly

7.6990, 5.5121, 32.5564

Tritanomaly

5.9876, 5.1628, 22.5107

Monochromacy



Original Color

13.6336, 6.3181, 67.5188

Achromatopsia

3.0317, 3.1896, 3.4735

Achromatomaly

4.6082, 3.3266, 15.4381

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.6336, 6.3181, 67.5188 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(22, 32, 219)` looks like.

```
.text, #text, p{  
    color:rgb(22, 32, 219)  
}
```

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(22, 32, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 32, 219) }
```

Border

The CSS property to change the border of an element to XYZ 13.6336, 6.3181, 67.5188 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(22, 32, 219) }
```


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

```
.border{ border-color:rgb(22, 32, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(22, 32, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 32, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 32, 219);  
box-shadow:4px 4px 4px 4px rgb(22, 32,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 13.6336, 6.3181, 67.5188 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 32, 219) }
```

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

```
.background{ background-color: rgb(22, 32,  
219) }
```

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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