

Converting Colors

XYZ(13.1843, 6.2615, 64.7766)

Have a look what the booklet for
XYZ(13.1843, 6.2615, 64.7766)
contains.

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Color

**XYZ(13.1976, 6.2789,
64.8063)**

Conversions

Conversions Part 1

Format	Color
Hex	1623D7
RGB	22, 35, 215
RGB Percent	9%, 14%, 84%
CMY	0.9136, 0.8628, 0.1569
CMYK	0.90, 0.84, 0.00, 0.16
HSL	236°, 81%, 46%
HSV	236°, 90%, 84%
XYZ	13.1976, 6.2789, 64.8063
YIQ	51.6330, -65.5280, 53.2240

Conversions

Conversions Part 2

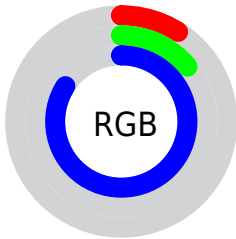
Format	Color
RYB	22, 34, 215
Decimal	1450967
CIELab	30.11, 60.18, -88.74
CIElCh	30, 107.225, 304.144
Yxy	6.2789, 0.1566, 0.0745
Android (android.graphics.Color)	4279641047 (0xFF1623D7)
YUV	51.6330, 80.5399, -25.9881
Hunter-Lab	25.0577, 50.1627, -135.8001

Details

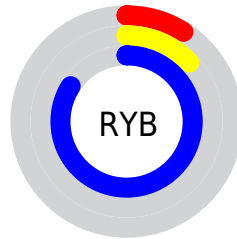
The XYZ color **13.1976, 6.2789, 64.8063** is a dark color, and the websafe version is hex **3300CC**. The color can be described as dark washed blue. A complement of this color would be **49.2979, 56.7620, 9.1183**, and the grayscale version is **3.1356, 3.2989, 3.5925**.

A 20% lighter version of the original color is **27.9806, 17.1617, 96.4455**, and **6.1716, 2.4686, 32.4990** is the 20% darker color. If you saturate the color by 10%, you get **12.4423, 5.2496, 64.6477**, and if you desaturate by 10%, it is **14.6529, 8.1685, 65.0946**.

Distribution



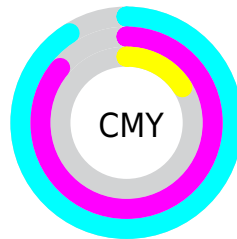
- Red (9%)
- Green (14%)
- Blue (84%)



- Red (9%)
- Yellow (13%)
- Blue (84%)



- Cyan (90%)
- Magenta (84%)
- Yellow (0%)
- Black (16%)



- Cyan (91%)
- Magenta (86%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.1976, 6.2789, 64.8063 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 13.1976, 6.2789, 64.8063 by changing the saturation by 10% instead.

■ 13.1976, 6.2789,
64.8063

■ 13.1976, 6.2789,
64.8063

205.7923,
161.5299, 460.3827

■ 7.6427, 3.0154,
46.8537

■ 31.2566, 18.5071,
113.3819

■ 3.9170, 1.1398,
32.5665

■ 44.4915, 28.2406,
144.8420

■ 1.6553, 0.0117,
21.5262

■ 61.0170, 40.8995,
181.6417

■ 0.4281, 0.0000,
13.3142

■ 81.1985, 56.8683,
224.1995

■ 0.0000, 0.0000,
7.5120

■ 105.4015, 76.5314,
272.9340


■ 0.0000, 0.0000,
3.7010


■ 133.9912,

■ 0.0000, 0.0000,


100.2730, 328.2636


1.4628


 167.3330,
128.4777, 390.6070

 0.0000, 0.0000,
0.1900


 0.0000, 0.0000,
0.0000


 13.1976, 6.2789,
64.8063


 13.1976, 6.2789,
64.8063


 12.4423, 5.2496,
64.6477

 14.6529, 8.1685,
65.0946

 12.4289, 5.2325,
64.6451

 16.9708, 11.0775,
65.5339

 20.2590, 15.1232,
66.1415

 24.6089, 20.4069,
66.9321

■ 30.1013, 27.0186,
67.9188

■ 36.8092, 35.0398,
69.1135

■ 44.7995, 44.5456,
70.5272

■ 54.1343, 55.6057,
72.1700

■ 64.8714, 68.2855,
74.0515

Harmonies

Analogous

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



6.6936, 6.2789, 88.1999



13.1976, 6.2789, 64.8063



19.5648, 6.2789, 27.3907

Triad

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



13.1976, 6.2789, 64.8063



11.2497, 6.2789, 0.0000



0.5571, 6.2789, 9.0373

Complementary

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



13.1976, 6.2789, 64.8063



49.2979, 56.7620, 9.1183

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.



0.8123, 6.2789, 0.3597



13.1976, 6.2789, 64.8063



5.2966, 6.2789, 0.0000

Square

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



13.1976, 6.2789, 64.8063



18.0642, 6.2789, 0.0000



2.0222, 6.2789, 0.0000



1.0117, 6.2789, 37.0879

Rectangle

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



13.1976, 6.2789, 64.8063



21.6581, 6.2789, 10.0654



2.0222, 6.2789, 0.0000



0.5639, 6.2789, 4.3848

Sweetspot

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



13.1981, 6.2789, 64.8065



56.9182, 54.8420, 102.1934



34.9314, 52.8917, 62.3517



11.3752, 10.7757, 21.7303



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.



13.1981, 6.2789, 64.8065



18.2525, 7.6251, 95.1175



18.0819, 8.3313, 64.9453



11.8090, 12.1413, 15.6586



7.4616, 3.1851, 38.6747



0.4741, 0.2402, 2.3407

Inverse Universe

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



28.6151, 15.1433, 3.0044



41.3422, 21.3009, 2.4684



34.3722, 53.7764, 9.3287



12.4568, 12.4342, 13.0796



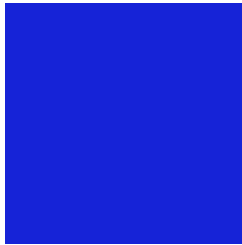
16.8252, 8.6664, 1.1174



1.0270, 0.5276, 0.1314

Previews

White Background



This preview shows how the XYZ color 13.1976, 6.2789, 64.8063 looks on a white background.

Color Contrast Check

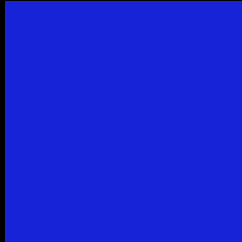
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.1976, 6.2789, 64.8063 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

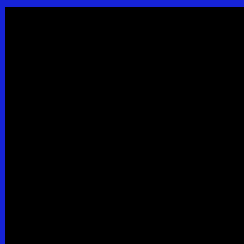
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.1976, 6.2789, 64.8063

Background



This preview shows how black text looks on a background with the XYZ color 13.1976, 6.2789, 64.8063.



This preview shows how white text looks on a background with the XYZ color 13.1976, 6.2789,

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

13.1976, 6.2789, 64.8063

Protanopia

7.0250, 6.1174, 26.7971

Deuteranopia

5.8954, 6.1702, 19.2926



Tritanopia

4.3190, 6.2012, 8.9520

Trichromacy



Original Color

13.1976, 6.2789, 64.8063

Protanomaly

8.6757, 5.7445, 38.1877

Deuteranomaly

7.6649, 5.5799, 32.1255

Tritanomaly

5.9069, 5.2183, 21.8150

Monochromacy



Original Color

13.1976, 6.2789, 64.8063

Achromatopsia

3.2640, 3.4340, 3.7396

Achromatomaly

4.7607, 3.5731, 15.4777

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.1976, 6.2789, 64.8063 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, 35, 215)` looks like.

```
.text, #text, p{  
    color:rgb(22, 35, 215)  
}
```

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, 35, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 35, 215) }
```

Border

The CSS property to change the border of an element to XYZ 13.1976, 6.2789, 64.8063 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, 35, 215) }
```


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

```
.border{ border-color:rgb(22, 35, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(22, 35, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 35, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 35, 215);  
box-shadow:4px 4px 4px 4px rgb(22, 35,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 13.1976, 6.2789, 64.8063 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 35, 215) }
```

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

```
.background{ background-color: rgb(22, 35,  
215) }
```

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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