

Converting Colors

XYZ(17.0616, 13.1042, 66.3505)

Have a look what the booklet for
XYZ(17.0616, 13.1042, 66.3505)
contains.

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Color

**XYZ(17.0585, 13.0435,
66.5843)**

Conversions

Conversions Part 1

Format	Color
Hex	275CD8
RGB	39, 92, 216
RGB Percent	15%, 36%, 85%
CMY	0.8470, 0.6392, 0.1529
CMYK	0.82, 0.57, 0.00, 0.15
HSL	222°, 69%, 50%
HSV	222°, 82%, 85%
XYZ	17.0585, 13.0435, 66.5843
YIQ	90.2890, -71.3920, 27.3280

Conversions

Conversions Part 2

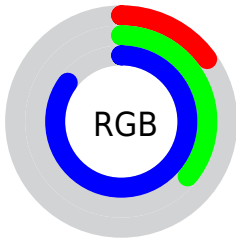
Format	Color
R _Y B	39, 80, 216
Decimal	2579672
CIE Lab	42.83, 28.46, -68.33
CIE LCh	43, 74.022, 292.615
Yxy	13.0435, 0.1764, 0.1349
Android (android.graphics.Color)	4280769752 (0xFF275CD8)
YUV	90.2890, 61.9755, -44.9805
Hunter-Lab	36.1158, 21.1079, -84.0280

Details

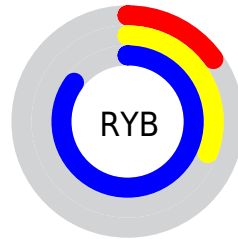
The XYZ color **17.0585, 13.0435, 66.5843** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark washed blue. A complement of this color would be **41.7858, 40.9461, 7.6219**, and the grayscale version is **9.6610, 10.1641, 11.0687**.

A 20% lighter version of the original color is **34.7932, 30.2108, 98.6052**, and **7.4021, 4.6520, 33.7655** is the 20% darker color. If you saturate the color by 10%, you get **15.2779, 10.3700, 66.1625**, and if you desaturate by 10%, it is **19.5673, 16.4811, 67.1160**.

Distribution



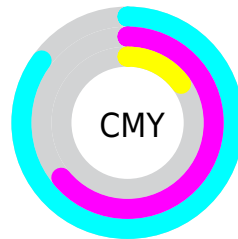
- Red (15%)
- Green (36%)
- Blue (85%)



- Red (15%)
- Yellow (31%)
- Blue (85%)



- Cyan (82%)
- Magenta (57%)
- Yellow (0%)
- Black (15%)



- Cyan (85%)
- Magenta (64%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.0585, 13.0435, 66.5843 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 17.0585, 13.0435, 66.5843 by changing the saturation by 10% instead.

■ 17.0585, 13.0435,
66.5843

■ 17.0585, 13.0435,
66.5843

228.6589,
211.1963, 466.9248

■ 10.3718, 7.4585,
48.2874

■ 37.9691, 31.3819,
115.9595

■ 5.7103, 3.7505,
33.6929

■ 52.9237, 44.9041,
147.8750

■ 2.7087, 1.5350,
22.3824

■ 71.3650, 61.8409,
185.1670

■ 1.0017, 0.3132,
13.9371

■ 93.6583, 82.5765,
228.2541

■ 0.0000, 0.0000,
7.9387

■ 120.1690,
107.4955, 277.5549

■ 0.0000, 0.0000,
3.9685

151.2624,

■ 0.0000, 0.0000,

136.9822, 333.4879

1.6081

187.3040,
171.4210, 396.4717

■ 0.0000, 0.0000,
0.2966

■ 0.0000, 0.0000,
0.0000

■ 17.0585, 13.0435,
66.5843

■ 17.0585, 13.0435,
66.5843

■ 15.2779, 10.3700,
66.1625

■ 19.5673, 16.4811,
67.1160

■ 14.2658, 8.7000,
65.8935

■ 22.8857, 20.7462,
67.7643

■ 27.0852, 25.8955,
68.5369

■ 32.2284, 31.9797,
69.4402

■ 38.3718, 39.0454,
70.4802

■ 45.5675, 47.1359,
71.6626

■ 53.8635, 56.2918,
72.9926

■ 63.3051, 66.5511,
74.4752

■ 73.9346, 77.9504,
76.1152

Harmonies

Analogous

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



11.0536, 13.0435, 72.7391



17.0585, 13.0435, 66.5843



23.1798, 13.0435, 42.6828

Triad

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



17.0585, 13.0435, 66.5843



20.2270, 13.0435, 1.0532



4.4467, 13.0435, 10.5685

Complementary

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



17.0585, 13.0435, 66.5843



41.7858, 40.9461, 7.6219

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.



5.6170, 13.0435, 2.4528



17.0585, 13.0435, 66.5843



13.8461, 13.0435, 0.0304

Square

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



17.0585, 13.0435, 66.5843



25.3631, 13.0435, 5.2871



8.6737, 13.0435, 0.3854



4.8333, 13.0435, 29.8279

Rectangle

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



17.0585, 13.0435, 66.5843



25.9130, 13.0435, 25.6662



8.6737, 13.0435, 0.3854



4.6547, 13.0435, 6.7901

Sweetspot

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



17.0592, 13.0438, 66.5847



62.7281, 64.5874, 103.7682



31.9957, 52.1846, 42.9922



12.6320, 12.9310, 22.0801



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.



17.0592, 13.0438, 66.5847



20.9761, 12.9774, 96.0071



15.9768, 7.8823, 65.6455



12.0427, 12.6087, 15.7365



8.5267, 5.3151, 39.0297



0.5861, 0.4643, 2.3780

Inverse Universe

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



30.9769, 16.8238, 11.7398



42.7401, 21.9486, 9.5562



43.8857, 59.0345, 11.0027



12.5747, 12.4814, 13.7008



17.3627, 8.8814, 3.9481



1.0835, 0.5502, 0.4291

Previews

White Background



This preview shows how the XYZ color 17.0585, 13.0435, 66.5843 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 17.0585, 13.0435, 66.5843 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

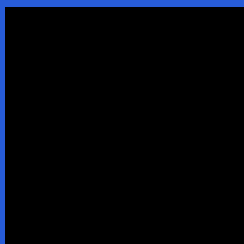
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

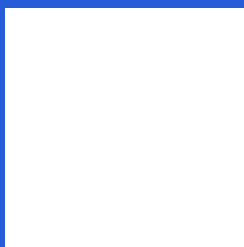
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 17.0585, 13.0435, 66.5843

Background



This preview shows how black text looks on a background with the XYZ color 17.0585, 13.0435, 66.5843.



This preview shows how white text looks on a background with the XYZ color 17.0585, 13.0435,

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

17.0585, 13.0435, 66.5843

Protanopia

15.2941, 12.9572, 59.4525

Deuteranopia

12.7861, 12.8748, 43.4062



Tritanopia

9.1239, 12.9203, 19.4657

Trichromacy



Original Color

17.0585, 13.0435, 66.5843

Protanomaly

15.7819, 12.8812, 61.9761

Deuteranomaly

14.0469, 12.7786, 51.0164

Tritanomaly

11.0654, 12.5296, 32.4071

Monochromacy



Original Color

17.0585, 13.0435, 66.5843

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

10.7836, 10.5993, 24.7701

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.0585, 13.0435, 66.5843 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(39, 92, 216)` looks like.

```
.text, #text, p{  
    color:rgb(39, 92, 216)  
}
```

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(39, 92, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 92, 216) }
```

Border

The CSS property to change the border of an element to XYZ 17.0585, 13.0435, 66.5843 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(39, 92, 216) }
```


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

```
.border{ border-color:rgb(39, 92, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 92, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 92, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 92, 216);  
box-shadow:4px 4px 4px 4px rgb(39, 92,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 17.0585, 13.0435, 66.5843 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 92, 216) }
```

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

```
.background{ background-color: rgb(39, 92,  
216) }
```

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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