

Converting Colors

XYZ(16.5252, 13.2707, 65.3096)

Have a look what the booklet for
XYZ(16.5252, 13.2707, 65.3096)
contains.

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Color

**XYZ(16.5699, 13.3494,
65.3217)**

Conversions

Conversions Part 1

Format	Color
Hex	1260D6
RGB	18, 96, 214
RGB Percent	7%, 38%, 84%
CMY	0.9293, 0.6235, 0.1608
CMYK	0.92, 0.55, 0.00, 0.16
HSL	216°, 84%, 45%
HSV	216°, 92%, 84%
XYZ	16.5699, 13.3494, 65.3217
YIQ	86.1300, -84.3660, 20.1620

Conversions

Conversions Part 2

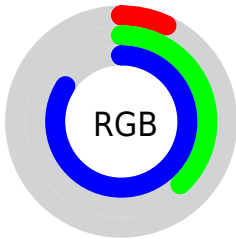
Format	Color
R_{YB}	18, 74, 214
Decimal	1204438
CIE _{Lab}	43.29, 23.78, -66.46
CIE _{LCh}	43, 70.589, 289.685
Yxy	13.3494, 0.1740, 0.1402
Android (android.graphics.Color)	4279394518 (0xFF1260D6)
YUV	86.1300, 63.0399, -59.7500
Hunter-Lab	36.5368, 17.0125, -80.4248

Details

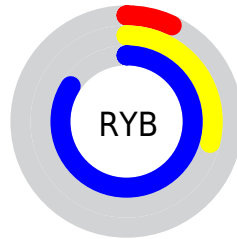
The XYZ color **16.5699, 13.3494, 65.3217** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark washed azure. A complement of this color would be **36.6498, 31.9574, 4.8104**, and the grayscale version is **8.7584, 9.2145, 10.0346**.

A 20% lighter version of the original color is **34.2727, 30.8419, 98.7545**, and **7.3554, 4.8363, 32.8936** is the 20% darker color. If you saturate the color by 10%, you get **15.3974, 11.3745, 65.0027**, and if you desaturate by 10%, it is **18.4473, 16.2078, 65.7748**.

Distribution



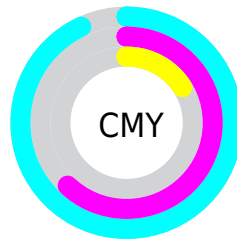
- Red (7%)
- Green (38%)
- Blue (84%)



- Red (7%)
- Yellow (29%)
- Blue (84%)



- Cyan (92%)
- Magenta (55%)
- Yellow (0%)
- Black (16%)



- Cyan (93%)
- Magenta (62%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.5699, 13.3494, 65.3217 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 16.5699, 13.3494, 65.3217 by changing the saturation by 10% instead.

■ 16.5699, 13.3494,
65.3217

■ 16.5699, 13.3494,
65.3217

225.8864,
213.1449, 462.2849

■ 10.0217, 7.6696,
47.2690

■ 37.1343, 31.9301,
114.1299

■ 5.4757, 3.8843,
32.8925

■ 51.8812, 45.5997,
145.7225

■ 2.5666, 1.6090,
21.7736

■ 70.0918, 62.7015,
182.6655

■ 0.9290, 0.3637,
13.4939

■ 92.1313, 83.6197,
225.3774

■ 0.0000, 0.0000,
7.6348

■ 118.3652,
108.7387, 274.2768

■ 0.0000, 0.0000,
3.7778

149.1588,

■ 0.0000, 0.0000,

138.4430, 329.7821

1.5042

184.8774,
173.1170, 392.3120

■ 0.0000, 0.0000,
0.2211

■ 0.0000, 0.0000,
0.0000

■ 16.5699, 13.3494,
65.3217

■ 16.5699, 13.3494,
65.3217

■ 15.3974, 11.3745,
65.0027

■ 18.4473, 16.2078,
65.7748

■ 20.9833, 19.7049,
66.3162

■ 24.2538, 23.8918,
66.9520

■ 28.3224, 28.8129,
67.6874

■ 33.2451, 34.5081,
68.5272

■ 39.0727, 41.0138,
69.4758

■ 45.8516, 48.3639,
70.5372

■ 53.6249, 56.5903,
71.7154

■ 62.4329, 65.7228,
73.0139

Harmonies

Analogous

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



10.8970, 13.3494, 68.8506



16.5699, 13.3494, 65.3217



22.5131, 13.3494, 44.0203

Triad

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



16.5699, 13.3494, 65.3217



20.7795, 13.3494, 1.5423



4.9001, 13.3494, 9.7823

Complementary

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



16.5699, 13.3494, 65.3217



36.6498, 31.9574, 4.8104

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.



6.2408, 13.3494, 2.4607



16.5699, 13.3494, 65.3217



14.6657, 13.3494, 0.3622

Square

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



16.5699, 13.3494, 65.3217



25.3868, 13.3494, 6.5682



9.4657, 13.3494, 0.5709



5.1396, 13.3494, 27.2216

Rectangle

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



16.5699, 13.3494, 65.3217



25.3241, 13.3494, 27.6972



9.4657, 13.3494, 0.5709



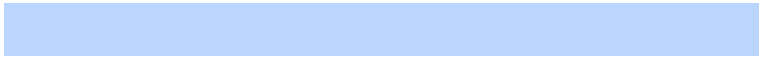
5.1613, 13.3494, 6.3866

Sweetspot

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



16.5706, 13.3497, 65.3221



62.2672, 65.5399, 103.9764



28.7132, 49.9889, 31.2841



12.6095, 13.2443, 22.1418



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.



16.5706, 13.3497, 65.3221



22.7479, 16.6159, 96.6160



13.1402, 5.6938, 64.0251



12.1440, 12.8114, 15.7703



9.4020, 7.0657, 39.3214



0.6468, 0.5856, 2.3983

Inverse Universe

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



30.0599, 15.5744, 12.4882



43.6113, 22.2085, 14.4171



46.5080, 59.6600, 9.6379



12.6259, 12.5018, 13.9701



17.8045, 9.0581, 6.2748



1.1141, 0.5624, 0.5904

Previews

White Background



This preview shows how the XYZ color 16.5699, 13.3494, 65.3217 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 16.5699, 13.3494, 65.3217 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

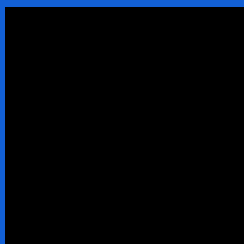
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

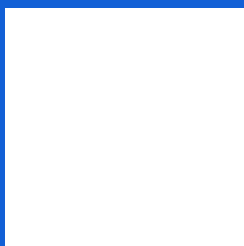
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.5699, 13.3494, 65.3217

Background



This preview shows how black text looks on a background with the XYZ color 16.5699, 13.3494, 65.3217.



This preview shows how white text looks on a background with the XYZ color 16.5699, 13.3494,

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

16.5699, 13.3494, 65.3217

Protanopia

15.7528, 13.2894, 61.4094

Deuteranopia

13.0870, 13.1553, 44.4973



Tritanopia

9.2953, 13.1663, 19.8207

Trichromacy



Original Color

16.5699, 13.3494, 65.3217

Protanomaly

15.9952, 13.2477, 62.6868

Deuteranomaly

14.2557, 13.1583, 51.6576

Tritanomaly

11.1781, 12.8937, 32.4714

Monochromacy



Original Color

16.5699, 13.3494, 65.3217

Achromatopsia

8.8453, 9.3059, 10.1341

Achromatomaly

9.8143, 9.9979, 23.6028

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.5699, 13.3494, 65.3217 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(18, 96, 214)` looks like.

```
.text, #text, p{  
    color:rgb(18, 96, 214)  
}
```

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(18, 96, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 96, 214) }
```

Border

The CSS property to change the border of an element to XYZ 16.5699, 13.3494, 65.3217 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(18, 96, 214) }
```


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

```
.border{ border-color:rgb(18, 96, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 96, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 96, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 96, 214);  
box-shadow:4px 4px 4px 4px rgb(18, 96,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 16.5699, 13.3494, 65.3217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 96, 214) }
```

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

```
.background{ background-color: rgb(18, 96,  
214) }
```

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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