

Converting Colors

XYZ(17.3078, 12.9161, 62.9674)

Have a look what the booklet for
XYZ(17.3078, 12.9161, 62.9674)
contains.

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Color

**XYZ(17.3169, 12.8720,
63.1999)**

Conversions

Conversions Part 1

Format	Color
Hex	3E59D3
RGB	62, 89, 211
RGB Percent	24%, 35%, 83%
CMY	0.7568, 0.6510, 0.1725
CMYK	0.71, 0.58, 0.00, 0.17
HSL	229°, 63%, 54%
HSV	229°, 71%, 83%
XYZ	17.3169, 12.8720, 63.1999
YIQ	94.8350, -55.2540, 32.2180

Conversions

Conversions Part 2

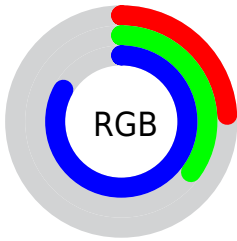
Format	Color
R_{YB}	62, 85, 211
Decimal	4086227
CIE _{Lab}	42.57, 31.00, -65.85
CIE _{LCh}	43, 72.781, 295.207
Yxy	12.8720, 0.1854, 0.1378
Android (android.graphics.Color)	4282276307 (0xFF3E59D3)
YUV	94.8350, 57.2693, -28.7963
Hunter-Lab	35.8776, 23.3702, -79.3276

Details

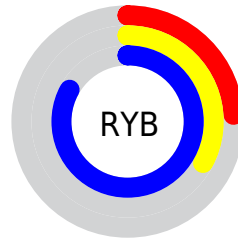
The XYZ color **17.3169, 12.8720, 63.1999** is a dark color, and the websafe version is hex **6666CC**. The color can be described as dark muted blue. A complement of this color would be **44.8769, 48.4828, 11.5519**, and the grayscale version is **10.7157, 11.2737, 12.2771**.

A 20% lighter version of the original color is **36.0350, 30.1973, 98.5371**, and **6.8171, 4.1679, 31.4555** is the 20% darker color. If you saturate the color by 10%, you get **14.9682, 9.7716, 62.7256**, and if you desaturate by 10%, it is **20.5177, 16.9126, 63.8114**.

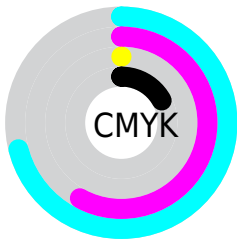
Distribution



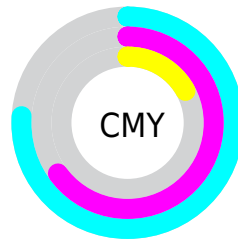
- Red (24%)
- Green (35%)
- Blue (83%)



- Red (24%)
- Yellow (33%)
- Blue (83%)



- Cyan (71%)
- Magenta (58%)
- Yellow (0%)
- Black (17%)



- Cyan (76%)
- Magenta (65%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.3169, 12.8720, 63.1999 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 17.3169, 12.8720, 63.1999 by changing the saturation by 10% instead.

■ 17.3169, 12.8720,
63.1999

■ 17.3169, 12.8720,
63.1999

230.1128,
210.0957, 454.4225

■ 10.5574, 7.3405,
45.5609

■ 38.4091, 31.0736,
111.0462

■ 5.8351, 3.6759,
31.5533

■ 53.4725, 44.5125,
142.0906

■ 2.7848, 1.4940,
20.7585

■ 72.0346, 61.3560,
178.4406

■ 1.0410, 0.2845,
12.7581

■ 94.4608, 81.9884,
220.5146

■ 0.0000, 0.0000,
7.1334

■ 121.1163,
106.7942, 268.7313

■ 0.0000, 0.0000,
3.4660

152.3666,

■ 0.0000, 0.0000,

136.1578, 323.5091

1.3372

188.5770,
170.4635, 385.2667

■ 0.0000, 0.0000,
0.0920

■ 0.0000, 0.0000,
0.0000

■ 17.3169, 12.8720,
63.1999

■ 17.3169, 12.8720,
63.1999

■ 14.9682, 9.7716,
62.7256

■ 20.5177, 16.9126,
63.8114

■ 13.3825, 7.5297,
62.3764

■ 24.6434, 21.9630,
64.5688

■ 12.4582, 6.1036,
62.1499

■ 29.7612, 28.0872,
65.4812

■ 35.9310, 35.3436,
66.5566

■ 43.2083, 43.7860,
67.8026

■ 51.6443, 53.4652,
69.2263

■ 61.2871, 64.4284,
70.8341

■ 72.1821, 76.7208,
72.6326

■ 84.3723, 90.3852,
74.6276

Harmonies

Analogous

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



11.3714, 12.8720, 71.0947



17.3169, 12.8720, 63.1999



23.1437, 12.8720, 39.3937

Triad

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



17.3169, 12.8720, 63.1999



19.3200, 12.8720, 0.9527



4.4293, 12.8720, 11.6328

Complementary

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



17.3169, 12.8720, 63.1999



44.8769, 48.4828, 11.5519

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.



5.4398, 12.8720, 2.8601



17.3169, 12.8720, 63.1999



13.1400, 12.8720, 0.0608

Square

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



17.3169, 12.8720, 63.1999



24.5225, 12.8720, 4.6654



8.2586, 12.8720, 0.5275



4.9408, 12.8720, 31.2886

Rectangle

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



17.3169, 12.8720, 63.1999



25.5817, 12.8720, 23.2641



8.2586, 12.8720, 0.5275



4.5905, 12.8720, 7.6145

Sweetspot

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



17.3176, 12.8723, 63.2003



65.5902, 66.3632, 103.9601



33.9005, 51.0608, 53.2439



13.3405, 13.3969, 22.1327



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.



17.3176, 12.8723, 63.2003



21.5485, 13.0167, 95.9845



19.8114, 11.4129, 62.7871



11.3344, 11.7591, 14.9160



7.5726, 3.7917, 37.5252



0.4770, 0.3191, 2.1160

Inverse Universe

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



30.3905, 18.0167, 11.3269



43.2989, 23.2054, 9.3135



39.4370, 54.8102, 13.0599



11.8949, 11.8427, 12.7226



16.4530, 8.4540, 2.0257



0.9470, 0.4835, 0.2556

Previews

White Background



This preview shows how the XYZ color 17.3169, 12.8720, 63.1999 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 17.3169, 12.8720, 63.1999 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

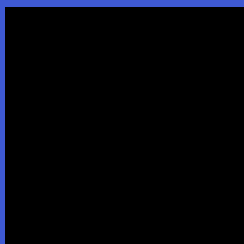
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 17.3169, 12.8720, 63.1999

Background



This preview shows how black text looks on a background with the XYZ color 17.3169, 12.8720, 63.1999.



This preview shows how white text looks on a background with the XYZ color 17.3169, 12.8720,

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

17.3169, 12.8720, 63.1999

Protanopia

15.0820, 12.7254, 58.7881

Deuteranopia

12.5878, 12.6373, 42.8501



Tritanopia

9.0142, 12.7008, 19.4292

Trichromacy



Original Color

17.3169, 12.8720, 63.1999

Protanomaly

15.5302, 12.5159, 60.6288

Deuteranomaly

13.8134, 12.4057, 49.8106

Tritanomaly

10.8711, 12.1497, 31.4779

Monochromacy



Original Color

17.3169, 12.8720, 63.1999

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

11.9970, 11.4738, 25.2493

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.3169, 12.8720, 63.1999 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(62, 89, 211)` looks like.

```
.text, #text, p{  
    color:rgb(62, 89, 211)  
}
```

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(62, 89, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 89, 211) }
```

Border

The CSS property to change the border of an element to XYZ 17.3169, 12.8720, 63.1999 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(62, 89, 211) }
```


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

```
.border{ border-color:rgb(62, 89, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 89, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 89, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 89, 211);  
box-shadow:4px 4px 4px 4px rgb(62, 89,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 17.3169, 12.8720, 63.1999 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 89, 211) }
```

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

```
.background{ background-color: rgb(62, 89,  
211) }
```

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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