

Converting Colors

XYZ(66.2233, 71.8257, 65.6272)

Have a look what the booklet for
XYZ(66.2233, 71.8257, 65.6272)
contains.

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Color

**XYZ(66.1791, 71.6752,
65.6050)**

Conversions

Conversions Part 1

Format	Color
Hex	DCDEC9
RGB	220, 222, 201
RGB Percent	86%, 87%, 79%
CMY	0.1373, 0.1294, 0.2118
CMYK	0.01, 0.00, 0.09, 0.13
HSL	66°, 24%, 83%
HSV	66°, 9%, 87%
XYZ	66.1791, 71.6752, 65.6050
YIQ	219.0080, 5.5490, -6.9550

Conversions

Conversions Part 2

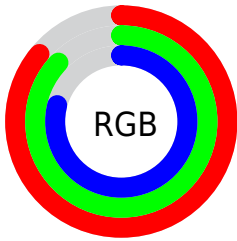
Format	Color
R_{YB}	201, 222, 203
Decimal	14474953
CIE Lab	87.81, -4.30, 10.06
CIE LCh	88, 10.944, 113.146
Yxy	71.6752, 0.3253, 0.3523
Android (android.graphics.Color)	4292665033 (0xFFDCDEC9)
YUV	219.0080, -8.8779, 0.8700
Hunter-Lab	84.6612, -8.6249, 13.3183

Details

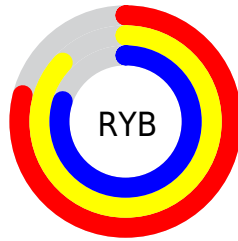
The XYZ color **66.1791, 71.6752, 65.6050** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **58.7027, 59.7456, 77.5491**, and the grayscale version is **67.3961, 70.9059, 77.2166**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **34.6022, 37.7433, 33.0652** is the 20% darker color. If you saturate the color by 10%, you get **63.1177, 70.3794, 52.8004**, and if you desaturate by 10%, it is **69.6301, 73.1325, 80.4011**.

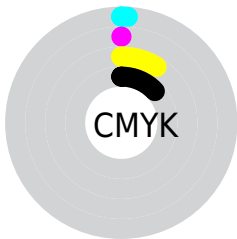
Distribution



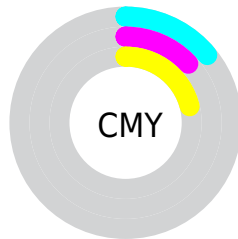
- Red (86%)
- Green (87%)
- Blue (79%)



- Red (79%)
- Yellow (87%)
- Blue (80%)



- Cyan (1%)
- Magenta (0%)
- Yellow (9%)
- Black (13%)



- Cyan (14%)
- Magenta (13%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.1791, 71.6752, 65.6050 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 66.1791, 71.6752, 65.6050 by changing the saturation by 10% instead.

■ 66.1791, 71.6752,
65.6050

■ 66.1791, 71.6752,
65.6050

436.4957,
466.4103, 463.3285

■ 48.6860, 52.8934,
47.4974

112.7997,
121.5946, 114.5408

■ 34.5840, 37.7177,
33.0719

142.6579,
153.5011, 146.2061

■ 23.5076, 25.7636,
21.9099

177.3685,
190.5511, 183.2276

■ 15.0915, 16.6469,
13.5930

217.2970,
233.1293, 226.0240

■ 8.9704, 9.9831,
7.7027

262.8085,
281.6199, 275.0137

■ 4.7788, 5.3877,
3.8203

314.2686,

■ 2.1515, 2.4765,

336.4073, 330.6153

1.5273

372.0425,
397.8760, 393.2474

■ 0.7170, 0.8648,
0.2381

■ 0.0000, 0.0000,
0.0000

■ 66.1791, 71.6752,
65.6050

■ 66.1791, 71.6752,
65.6050

■ 63.1177, 70.3794,
52.8004

■ 69.6301, 73.1325,
80.4011

■ 60.4238, 69.2292,
41.8977

■ 73.4799, 74.7479,
97.2639

■ 58.0821, 68.2208,
32.8075

■ 75.6485, 75.6918,
105.2306

■ 56.0739, 67.3467,
25.4313

■ 76.3183, 76.0371,
105.2620

■ 54.3786, 66.5987,
19.6614

■ 76.9964, 76.3866,
105.2937

■ 52.9735, 65.9677,
15.3777

■ 77.6827, 76.7404,
105.3258

■ 51.8325, 65.4432,
12.4434

■ 78.3774, 77.0985,
105.3583

■ 50.9248, 65.0130,
10.6964

■ 79.0803, 77.4609,
105.3912

■ 50.1995, 64.6567,
9.8686

■ 79.7916, 77.8276,
105.4245

Harmonies

Analogous

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



68.7234, 71.6752, 64.6741



66.1791, 71.6752, 65.6050



64.2032, 71.6752, 69.7670

Triad

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



66.1791, 71.6752, 65.6050



65.1708, 71.6752, 90.0667



73.2095, 71.6752, 79.7630

Complementary

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



66.1791, 71.6752, 65.6050



58.7027, 59.7456, 77.5491

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.



72.2037, 71.6752, 86.9470



66.1791, 71.6752, 65.6050



67.5304, 71.6752, 93.1358

Square

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



66.1791, 71.6752, 65.6050



63.6315, 71.6752, 83.8056



70.1089, 71.6752, 91.9594



72.8255, 71.6752, 72.5491

Rectangle

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



66.1791, 71.6752, 65.6050



63.4523, 71.6752, 73.9647



70.1089, 71.6752, 91.9594



73.0219, 71.6752, 82.2667

Sweetspot

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



66.1811, 71.6783, 65.6065



93.5745, 99.3789, 102.5293



61.9660, 62.3424, 64.0267



19.9462, 21.2364, 21.5903



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.



66.1811, 71.6783, 65.6065



89.8804, 97.8192, 86.7807



63.1736, 70.1279, 65.4658



14.7361, 15.9596, 14.6106



29.8456, 38.4185, 5.8425



2.1067, 2.6825, 0.4067

Inverse Universe

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



58.7027, 59.7456, 77.5491



78.0188, 78.8921, 105.7234



61.5868, 61.2324, 77.6840



13.0727, 13.3055, 17.2669



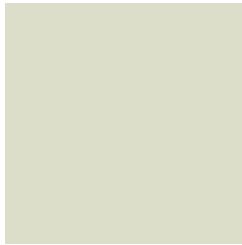
8.0589, 3.2498, 41.2509



0.6007, 0.2470, 2.8613

Previews

White Background



This preview shows how the XYZ color 66.1791, 71.6752, 65.6050 looks on a white background.

Color Contrast Check

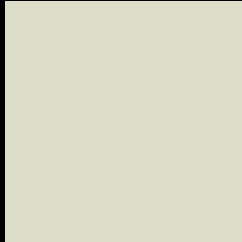
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 66.1791, 71.6752, 65.6050 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

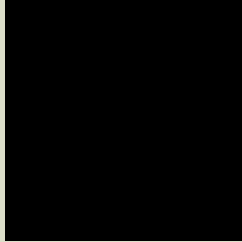
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

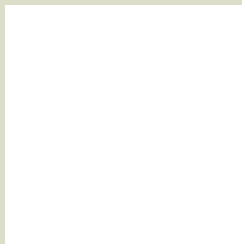
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 66.1791, 71.6752, 65.6050

Background



This preview shows how black text looks on a background with the XYZ color 66.1791, 71.6752, 65.6050.



This preview shows how white text looks on a background with the XYZ color 66.1791, 71.6752,

65.6050.

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

66.1791, 71.6752, 65.6050

Protanopia

68.0699, 71.4912, 64.8551

Deuteranopia

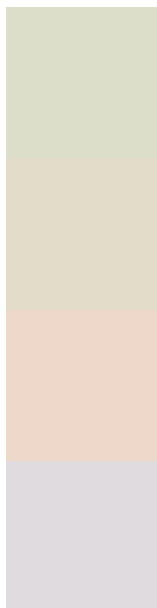
73.0344, 71.3552, 66.4235



Tritanopia

70.7155, 71.5738, 87.9299

Trichromacy



Original Color

66.1791, 71.6752, 65.6050

Protanomaly

67.3826, 71.5253, 64.8979

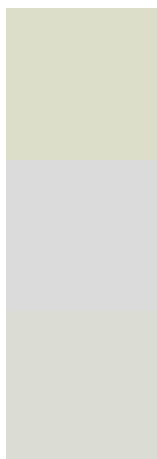
Deuteranomaly

70.4764, 71.5531, 65.9737

Tritanomaly

68.9478, 71.6249, 79.2983

Monochromacy



Original Color

66.1791, 71.6752, 65.6050

Achromatopsia

67.3311, 70.8376, 77.1421

Achromatomaly

66.6903, 70.9999, 72.4768

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.1791, 71.6752, 65.6050 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(220, 222, 201)` looks like.

```
.text, #text, p{  
    color:rgb(220, 222, 201)  
}
```

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(220, 222, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 222, 201) }
```

Border

The CSS property to change the border of an element to XYZ 66.1791, 71.6752, 65.6050 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(220, 222, 201) }
```


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

```
.border{ border-color:rgb(220, 222, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 222, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 222, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 222, 201);  
box-shadow:4px 4px 4px 4px rgb(220, 222,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 66.1791, 71.6752, 65.6050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 222, 201) }
```

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

```
.background{ background-color: rgb(220,  
222, 201) }
```

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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