

Converting Colors

XYZ(65.3332, 76.5641, 21.9274)

Have a look what the booklet for
XYZ(65.3332, 76.5641, 21.9274)
contains.

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Color

**XYZ(65.4202, 76.7481,
21.9555)**

Conversions

Conversions Part 1

Format	Color
Hex	EBE95E
RGB	235, 233, 94
RGB Percent	92%, 91%, 37%
CMY	0.0784, 0.0862, 0.6314
CMYK	0.00, 0.01, 0.60, 0.08
HSL	59°, 78%, 65%
HSV	59°, 60%, 92%
XYZ	65.4202, 76.7481, 21.9555
YIQ	217.7520, 45.8110, -42.8050

Conversions

Conversions Part 2

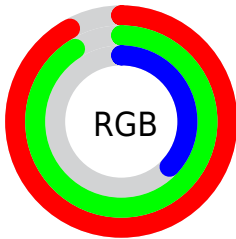
Format	Color
R _Y B	96, 235, 94
Decimal	15460702
CIE Lab	90.21, -16.32, 65.83
CIE LCh	90, 67.825, 103.922
Yxy	76.7481, 0.3986, 0.4676
Android (android.graphics.Color)	4293650782 (0xFFE9E95E)
YUV	217.7520, -61.0097, 15.1265
Hunter-Lab	87.6060, -20.0147, 46.4651

Details

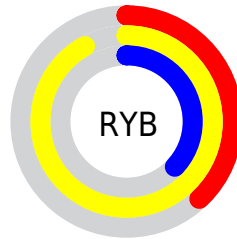
The XYZ color **65.4202, 76.7481, 21.9555** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light muted yellow. A complement of this color would be **23.7944, 16.7433, 80.5745**, and the grayscale version is **66.8564, 70.3381, 76.5982**.

A 20% lighter version of the original color is **82.4248, 94.9499, 42.4167**, and **34.1283, 41.1922, 7.7423** is the 20% darker color. If you saturate the color by 10%, you get **64.4290, 76.2041, 17.1912**, and if you desaturate by 10%, it is **66.7362, 77.4280, 28.4131**.

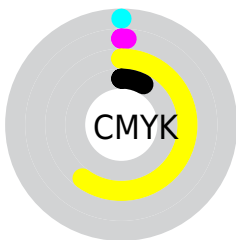
Distribution



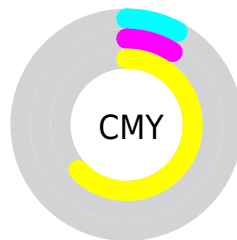
- Red (92%)
- Green (91%)
- Blue (37%)



- Red (38%)
- Yellow (92%)
- Blue (37%)



- Cyan (0%)
- Magenta (1%)
- Yellow (60%)
- Black (8%)





- Cyan (8%)
- Magenta (9%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 65.4202, 76.7481, 21.9555 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 65.4202, 76.7481, 21.9555 by changing the saturation by 10% instead.


 65.4202, 76.7481,
21.9555


 65.4202, 76.7481,
21.9555


433.8218,
483.9047, 275.2597

 48.0679, 57.0462,
13.6262


 111.7161,
128.7838, 47.5737


 34.0921, 41.0423,
7.7254


 141.3904,
161.8864, 65.6996

 23.1276, 28.3521,
3.8345


 175.9027,
200.2247, 87.9283

 14.8090, 18.5913,
1.5350

 215.6183,
244.1830, 114.6780

 8.7709, 11.3753,
0.2438

260.9027,
294.1457, 146.3675

 4.6479, 6.3199,
0.0000

312.1212,

 2.0748, 3.0405,

350.4974, 183.4153

0.0000

369.6391,
413.6222, 226.2398

0.6755, 1.1529,
0.0000

0.0000, 0.0228,
0.0000

65.4202, 76.7481,
21.9555

65.4202, 76.7481,
21.9555

64.4290, 76.2041,
17.1912

66.7362, 77.4280,
28.4131

63.7269, 75.7732,
13.9567


68.3979, 78.2435,
36.6984


63.2798, 75.4446,
12.0644


70.4308, 79.2079,
46.9376


63.0267, 75.1939,
11.1921


72.8566, 80.3297,
59.2443


 63.0266, 75.1938,
11.1920

 75.6950, 81.6168,
73.7237

 78.9649, 83.0768,
90.4736

 82.1141, 84.4888,
106.5878

 82.2095, 84.6796,
106.6196

 82.3051, 84.8707,
106.6515

Harmonies

Analogous

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



82.2996, 76.7481, 22.3284



65.4202, 76.7481, 21.9555



52.6875, 76.7481, 32.9388

Triad

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



65.4202, 76.7481, 21.9555



51.9964, 76.7481, 165.9485



108.7481, 76.7481, 112.0099

Complementary

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



65.4202, 76.7481, 21.9555



23.7944, 16.7433, 80.5745

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.



97.8293, 76.7481, 169.8810



65.4202, 76.7481, 21.9555



64.3308, 76.7481, 208.3171

Square

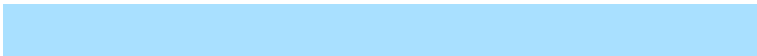
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



65.4202, 76.7481, 21.9555



45.7846, 76.7481, 107.9585



81.0296, 76.7481, 209.9834



109.1605, 76.7481, 63.1551

Rectangle

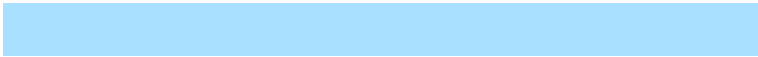
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



65.4202, 76.7481, 21.9555



47.5276, 76.7481, 49.0318



81.0296, 76.7481, 209.9834



106.1171, 76.7481, 131.3923

Sweetspot

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



65.4220, 76.7517, 21.9571



88.3144, 96.9751, 74.4499



40.3915, 26.5193, 14.1418



18.7035, 20.6655, 14.9205



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.



65.4220, 76.7517, 21.9571



77.3278, 91.5953, 19.6328



47.6337, 68.4239, 21.2872



16.3326, 17.5883, 16.0528



35.0860, 41.8662, 6.2318



2.7610, 3.2993, 0.4913

Inverse Universe

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



23.7944, 16.7433, 80.5745



23.1264, 13.4717, 95.9891



33.9295, 21.7015, 80.9973



14.2483, 14.5830, 18.9861



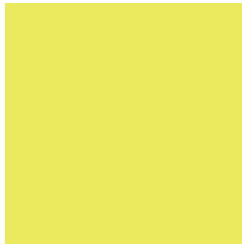
8.3734, 3.3938, 43.9567



0.6635, 0.2786, 3.4537

Previews

White Background



This preview shows how the XYZ color 65.4202, 76.7481, 21.9555 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 65.4202, 76.7481, 21.9555 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 65.4202, 76.7481, 21.9555

Background



This preview shows how black text looks on a background with the XYZ color 65.4202, 76.7481, 21.9555.



This preview shows how white text looks on a background with the XYZ color 65.4202, 76.7481,

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

65.4202, 76.7481, 21.9555

Protanopia

69.9089, 76.5935, 21.2247

Deuteranopia

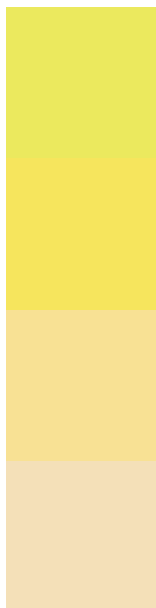
75.2331, 76.2276, 53.3960



Tritanopia

79.5388, 76.8589, 90.0000

Trichromacy



Original Color

65.4202, 76.7481, 21.9555

Protanomaly

68.0011, 76.4218, 21.5228

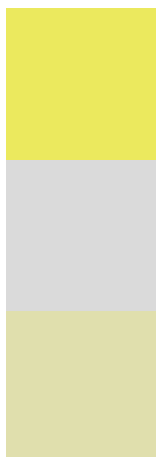
Deuteranomaly

70.9819, 75.9450, 38.9347

Tritanomaly

72.6156, 76.0051, 56.1906

Monochromacy



Original Color

65.4202, 76.7481, 21.9555

Achromatopsia

66.6397, 70.1102, 76.3500

Achromatomaly

64.6710, 71.6398, 49.9545

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.4202, 76.7481, 21.9555 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(235, 233, 94)` looks like.

```
.text, #text, p{  
    color:rgb(235, 233, 94)  
}
```

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(235, 233, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 233, 94) }
```

Border

The CSS property to change the border of an element to XYZ 65.4202, 76.7481, 21.9555 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(235, 233, 94) }
```


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

```
.border{ border-color:rgb(235, 233, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 233, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 233, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 233, 94);  
box-shadow:4px 4px 4px 4px rgb(235, 233,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 65.4202, 76.7481, 21.9555 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 233, 94) }
```

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

```
.background{ background-color: rgb(235,  
233, 94) }
```

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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