

Converting Colors

XYZ(20.3537, 22.2424, 7.7779)

Have a look what the booklet for
XYZ(20.3537, 22.2424, 7.7779)
contains.

XYZ(20.3537, 22.2424, 7.7779)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(20.3537, 22.2424,
7.7779)**

Conversions

Conversions Part 1

Format	Color
Hex	90823E
RGB	144, 130, 62
RGB Percent	56%, 51%, 24%
CMY	0.4353, 0.4902, 0.7569
CMYK	0.00, 0.10, 0.57, 0.44
HSL	50°, 40%, 40%
HSV	50°, 57%, 56%
XYZ	20.3537, 22.2424, 7.7779
YIQ	126.4340, 30.1720, -18.1800

Conversions

Conversions Part 2

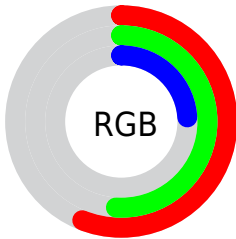
Format	Color
R_{YB}	79, 144, 62
Decimal	9470526
CIE _{Lab}	54.28, -3.81, 38.19
CIE _{LCh}	54, 38.383, 95.692
Yxy	22.2424, 0.4041, 0.4415
Android (android.graphics.Color)	4287660606 (0xFF90823E)
YUV	126.4340, -31.7660, 15.4054
Hunter-Lab	47.1618, -5.4978, 23.2352

Details

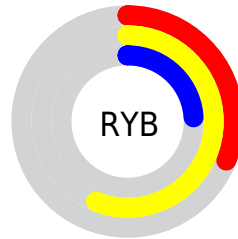
The XYZ color **20.3537, 22.2424, 7.7779** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **9.6050, 8.2063, 27.4630**, and the grayscale version is **20.0774, 21.1230, 23.0029**.

A 20% lighter version of the original color is **43.6775, 47.3162, 22.1601**, and **7.3295, 8.1381, 1.5653** is the 20% darker color. If you saturate the color by 10%, you get **19.6869, 21.4597, 5.8580**, and if you desaturate by 10%, it is **21.1341, 23.0847, 10.2529**.

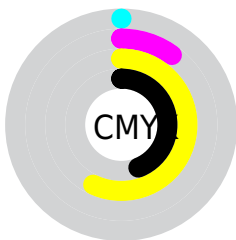
Distribution



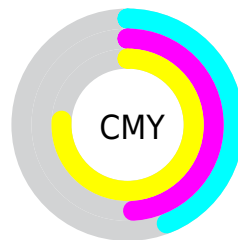
- Red (56%)
- Green (51%)
- Blue (24%)



- Red (31%)
- Yellow (56%)
- Blue (24%)



- Cyan (0%)
- Magenta (10%)
- Yellow (57%)
- Black (44%)



- Cyan (44%)
- Magenta (49%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3537, 22.2424, 7.7779 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 20.3537, 22.2424, 7.7779 by changing the saturation by 10% instead.

■ 20.3537, 22.2424,
7.7779

■ 20.3537, 22.2424,
7.7779

246.6208,
263.8095, 183.8485

■ 12.7622, 14.0351,
3.8674

■ 43.5088, 47.1463,
22.0608

■ 7.3408, 8.1451,
1.5529

■ 59.8031, 64.6117,
33.2703

■ 3.7244, 4.1879,
0.2569

■ 79.7291, 85.9320,
47.7500

■ 1.5474, 1.7792,
0.0000

■ 103.6520,
111.4914, 65.9182

■ 0.3578, 0.4742,
0.0000

■ 131.9373,
141.6745, 88.1937

■ 0.0000, 0.0000,
0.0000

■ 164.9503,

176.8657, 114.9949

203.0563,
217.4492, 146.7403

■ 20.3537, 22.2424,
7.7779

■ 20.3537, 22.2424,
7.7779

■ 19.6869, 21.4597,
5.8580

■ 21.1341, 23.0847,
10.2529

■ 19.1237, 20.7299,
4.4471

■ 22.0340, 23.9867,
13.3214

■ 18.6546, 20.0501,
3.4941

■ 23.0611, 24.9521,
17.0198

■ 18.2629, 19.4135,
2.9110

■ 24.2215, 25.9837,
21.3816

■ 18.1486, 19.2235,
2.7540

■ 25.5213, 27.0838,
26.4374

■ 26.9660, 28.2548,
32.2164

■ 28.5607, 29.4988,
38.7457

■ 30.3105, 30.8179,
46.0512

■ 32.2201, 32.2141,
54.1577

Harmonies

Analogous

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



24.6240, 22.2424, 8.7169



20.3537, 22.2424, 7.7779



16.7906, 22.2424, 9.9236

Triad

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



20.3537, 22.2424, 7.7779



15.2631, 22.2424, 40.2788



29.3420, 22.2424, 34.9800

Complementary

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



20.3537, 22.2424, 7.7779



9.6050, 8.2063, 27.4630

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.



26.1840, 22.2424, 48.1289



20.3537, 22.2424, 7.7779



18.0025, 22.2424, 51.8278

Square

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



20.3537, 22.2424, 7.7779



14.1106, 22.2424, 26.5732



21.9478, 22.2424, 55.0937



30.1870, 22.2424, 22.0066

Rectangle

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



20.3537, 22.2424, 7.7779



15.1736, 22.2424, 13.4251



21.9478, 22.2424, 55.0937



28.4971, 22.2424, 39.6427

Sweetspot

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



20.3542, 22.2434, 7.7784



42.6339, 45.7535, 37.3769



14.5650, 9.9110, 8.1730



9.6907, 10.4171, 8.2430



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



20.3542, 22.2434, 7.7784



34.4637, 37.5261, 9.6422



18.3185, 24.1480, 8.2533



5.7623, 6.1309, 5.7691



15.8192, 16.7700, 2.4032



0.1646, 0.1871, 0.0274

Inverse Universe

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



9.6050, 8.2063, 27.4630



13.6716, 10.4094, 47.8267



10.7782, 7.5322, 27.2711



5.1994, 5.3946, 6.7960



4.6915, 2.3690, 23.1871



0.0561, 0.0451, 0.2254

Previews

White Background



This preview shows how the XYZ color 20.3537, 22.2424, 7.7779 looks on a white 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

Black Background



This preview shows how the XYZ color 20.3537, 22.2424, 7.7779 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 × Fail

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

XYZ 20.3537, 22.2424, 7.7779

Background



This preview shows how black text looks on a background with the XYZ color 20.3537, 22.2424, 7.7779.



This preview shows how white text looks on a background with the XYZ color 20.3537, 22.2424,

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

20.3537, 22.2424, 7.7779

Protanopia

20.3537, 22.2424, 7.7779

Deuteranopia

22.6303, 22.2591, 7.9542



Tritanopia

23.7021, 22.0690, 24.8403

Trichromacy



Original Color

20.3537, 22.2424, 7.7779

Protanomaly

20.3537, 22.2424, 7.7779

Deuteranomaly

21.6845, 22.1506, 7.8352

Tritanomaly

22.2002, 22.0247, 16.9910

Monochromacy



Original Color

20.3537, 22.2424, 7.7779

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

19.7104, 21.1446, 15.8744

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3537, 22.2424, 7.7779 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(144, 130, 62)` looks like.

```
.text, #text, p{  
    color:rgb(144, 130, 62)  
}
```

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(144, 130, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 130, 62) }
```

Border

The CSS property to change the border of an element to XYZ 20.3537, 22.2424, 7.7779 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(144, 130, 62) }
```


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

```
.border{ border-color:rgb(144, 130, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 130, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 130, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 130, 62);  
box-shadow:4px 4px 4px 4px rgb(144, 130,  
62) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3537, 22.2424, 7.7779 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 130, 62) }
```

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

```
.background{ background-color: rgb(144,  
130, 62) }
```

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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