

Converting Colors

XYZ(21.2335, 24.0947, 52.8223)

Have a look what the booklet for
XYZ(21.2335, 24.0947, 52.8223)
contains.

XYZ(21.1756, 23.9696, 52.8007)	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(21.1756, 23.9696,
52.8007)**

Conversions

Conversions Part 1

Format	Color
Hex	428DBF
RGB	66, 141, 191
RGB Percent	26%, 55%, 75%
CMY	0.7411, 0.4471, 0.2510
CMYK	0.65, 0.26, 0.00, 0.25
HSL	204°, 49%, 50%
HSV	204°, 65%, 75%
XYZ	21.1756, 23.9696, 52.8007
YIQ	124.2750, -60.7500, -0.3500

Conversions

Conversions Part 2

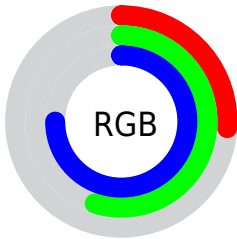
Format	Color
R _Y B	66, 113, 191
Decimal	4361663
CIE Lab	56.06, -7.48, -32.89
CIE LCh	56, 33.732, 257.188
Yxy	23.9696, 0.2162, 0.2447
Android (android.graphics.Color)	4282551743 (0xFF428DBF)
YUV	124.2750, 32.8954, -51.1072
Hunter-Lab	48.9588, -8.4732, -29.6715

Details

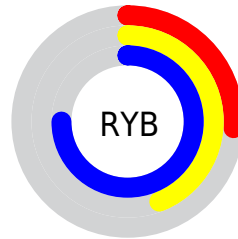
The XYZ color **21.1756, 23.9696, 52.8007** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **28.7157, 23.9620, 8.2670**, and the grayscale version is **19.1590, 20.1568, 21.9507**.

A 20% lighter version of the original color is **44.8392, 49.7965, 96.0553**, and **8.2564, 9.2883, 25.0246** is the 20% darker color. If you saturate the color by 10%, you get **19.0092, 21.2380, 52.3881**, and if you desaturate by 10%, it is **23.8510, 27.0798, 53.2605**.

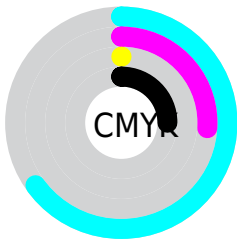
Distribution



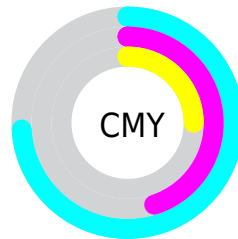
- Red (26%)
- Green (55%)
- Blue (75%)



- Red (26%)
- Yellow (44%)
- Blue (75%)



- Cyan (65%)
- Magenta (26%)
- Yellow (0%)
- Black (25%)



- Cyan (74%)
- Magenta (45%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.1756, 23.9696, 52.8007 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 21.1756, 23.9696, 52.8007 by changing the saturation by 10% instead.

■ 21.1756, 23.9696,
52.8007

■ 21.1756, 23.9696,
52.8007

250.9243,
272.6668, 414.5646

■ 13.3656, 15.3111,
37.2571

■ 44.8687, 49.9806,
95.7496

■ 7.7595, 9.0380,
25.1092

■ 61.4825, 68.1018,
123.9920

■ 3.9920, 4.7660,
15.9387

■ 81.7616, 90.1461,
157.3043

■ 1.6976, 2.1106,
9.3269

■ 106.0714,
116.4978, 196.1051

■ 0.4548, 0.6706,
4.8553

■ 134.7772,
147.5413, 240.8131

■ 0.0000, 0.0000,
2.1054

168.2444,

■ 0.0000, 0.0000,

183.6611, 291.8466

0.6190

206.8383,
225.2414, 349.6243

■ 0.0000, 0.0000,
0.0000

■ 21.1756, 23.9696,
52.8007

■ 21.1756, 23.9696,
52.8007

■ 19.0092, 21.2380,
52.3881

■ 23.8510, 27.0798,
53.2605

■ 17.3030, 18.8564,
52.0183

■ 27.0729, 30.5889,
53.7680

■ 16.0010, 16.7938,
51.6888

■ 30.8781, 34.5185,
54.3259

■ 15.4891, 15.9317,
51.5494

■ 35.2988, 38.8874,
54.9362

■ 40.3653, 43.7132,
55.6007

■ 46.1053, 49.0122,
56.3209

■ 52.5450, 54.7999,
57.0987

■ 59.7092, 61.0910,
57.9354

■ 67.6213, 67.8995,
58.8325

Harmonies

Analogous

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



18.1009, 23.9696, 45.0062



21.1756, 23.9696, 52.8007



25.0470, 23.9696, 52.1317

Triad

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



21.1756, 23.9696, 52.8007



30.6350, 23.9696, 20.3074



17.7594, 23.9696, 14.1533

Complementary

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



21.1756, 23.9696, 52.8007



28.7157, 23.9620, 8.2670

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.



20.6586, 23.9696, 10.6020



21.1756, 23.9696, 52.8007



28.2085, 23.9696, 13.4038

Square

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



21.1756, 23.9696, 52.8007



30.8141, 23.9696, 31.1027



24.4685, 23.9696, 10.3733



16.2838, 23.9696, 21.6626

Rectangle

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



21.1756, 23.9696, 52.8007



27.5699, 23.9696, 46.9623



24.4685, 23.9696, 10.3733



18.5839, 23.9696, 12.5621

Sweetspot

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



21.1764, 23.9704, 52.8013



67.7226, 73.9723, 98.9879



24.0308, 39.6815, 22.9171



14.3139, 15.7104, 21.6633



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



21.1764, 23.9704, 52.8013



32.4783, 35.9106, 93.4988



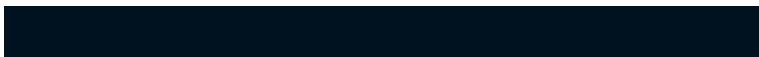
14.4118, 10.4411, 50.5464



9.4797, 10.1516, 12.1320



10.2596, 10.6310, 33.9041



0.4643, 0.5412, 1.3488

Inverse Universe

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



28.2425, 16.8968, 26.9729



46.8857, 25.1603, 40.0127



38.4900, 43.5106, 11.5251



9.7640, 9.6299, 11.1460



16.1794, 8.1029, 11.5040



0.6652, 0.3300, 0.6164

Previews

White Background



This preview shows how the XYZ color 21.1756, 23.9696, 52.8007 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 21.1756, 23.9696, 52.8007 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

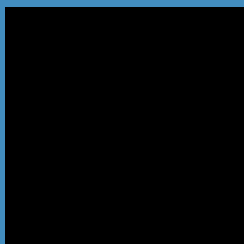
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

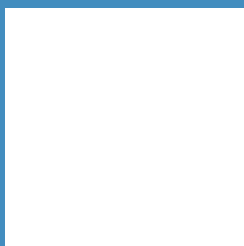
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.1756, 23.9696, 52.8007

Background



This preview shows how black text looks on a background with the XYZ color 21.1756, 23.9696, 52.8007.

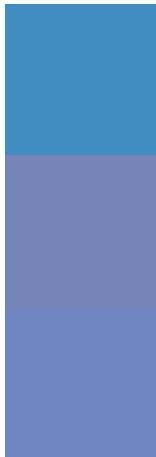


This preview shows how white text looks on a background with the XYZ color 21.1756, 23.9696,

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

21.1756, 23.9696, 52.8007

Protanopia

24.3742, 23.8148, 48.6595

Deuteranopia

24.4436, 23.9403, 53.7847



Tritanopia

17.9107, 23.9990, 36.4892

Trichromacy



Original Color

21.1756, 23.9696, 52.8007

Protanomaly

22.7792, 23.5685, 50.3623

Deuteranomaly

22.9347, 23.7938, 53.2530

Tritanomaly

19.0516, 24.0033, 42.1570

Monochromacy



Original Color

21.1756, 23.9696, 52.8007

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

18.9214, 20.9869, 31.0706

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.1756, 23.9696, 52.8007 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(66, 141, 191)` looks like.

```
.text, #text, p{  
    color:rgb(66, 141, 191)  
}
```

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(66, 141, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 141, 191) }
```

Border

The CSS property to change the border of an element to XYZ 21.1756, 23.9696, 52.8007 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(66, 141, 191) }
```


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

```
.border{ border-color:rgb(66, 141, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 141, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 141, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 141, 191);  
box-shadow:4px 4px 4px 4px rgb(66, 141,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 21.1756, 23.9696, 52.8007 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 141, 191) }
```

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

```
.background{ background-color: rgb(66, 141,  
191) }
```

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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